

Lancaster Farming

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\$7.50 Per Year

Eckel wins PFA's president's post



Lackawanna County's Keith Eckel, right, became the youngest elected president in PFA history on Wednesday when he defeated Franklin County's D. Eugene Gayman for the post. Gayman, left, was reelected vice president.

BY SHEILA MILLER

HERSHEY — In what was probably the most hotly contested election in the recent history of the Pennsylvania Farmers' Association, voting delegates from across the Commonwealth cast their ballots to elect Lackawanna Countyman Keith Eckel as president of the 23,376-member family farm organization.

The youngest PFA president ever elected, Eckel, at age 34, defeated PFA vice president D. Eugene Gayman of Franklin County who also was actively seeking the highest seat in PFA.

The Hershey Convention Center's delegate session room was packed with PFA members and other interested bystanders as the election process commenced Wednesday. An anticipative electricity seemed to be generated in the spacious room as several onlookers bemoaned the fact that

bets hadn't been wagered on the outcome of the election.

The PFA nominating committee spokesman announced that Eckel, the incumbent president who filled the post after the resignation of Eugene Thompson last August, and Gayman, the vice president, were their choices for the election. When no other nominations were forthcoming from the floor, the election process was in full swing.

Both candidates brought the delegates and others in the room to their feet, applauding, as they delivered their reasons for seeking the office of PFA president.

Gayman, a Franklin County dairyman, cited his commitment to public service with PFA being his first priority. His 20-plus years of service, he said, has helped him in preparing mentally and physically for the responsibilities of the office. "I have had the experience of coming up the PFA ladder — and I didn't miss many steps," he declared.

Eckel, who operates a dairy and

cash crop farm with his father and brother, confessed that seeking the presidency was the "most humbling" experience of his life.

In the final tally, the PFA delegates selected the incumbent president to continue in his role. Eckel will benefit from Gayman's years of experience since the vice president was reelected for another term.

Other PFA nominees for the office of vice president included Northampton County's John Ackerman, Chester County's Arthur Hershey, and Berks County's John Koch.

Eckel has been a member of PFA's State Board of Directors since 1976. In other farm-related service, he helped to found and served as a member on the State Board of the Pennsylvania Council of Cooperative Extension Associations. He has been a director of the State Council of Farm Workers and served on the

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At the District Beef Show and Sale

Dauphin 4-H'er takes championship

BY DEBBIE KOONTZ

LANCASTER — Dauphin County 4-H'ers had cause to celebrate Tuesday at the Southeast District Baby Beef Show and Sale as Judge Bill Holloway of Seven Valleys, York County, named one of their co-members, Dwayne Messick, Grand Champion Steer titleholder.

Dwayne, the son of Alvin and Fern Messick of R4 Elizabethtown sold the 1215-pound Chianina Angus cross to the Lancaster Stockyards, host of the event, for \$2 per pound — more than a dollar above the average which rested at 72.31 cents per pound.

Although Dwayne says he thought he would do well, he admits to being a little surprised at his accomplishments. He has 21 head of cattle on the 114-acre farm near Hershey he operates with his dad.

According to Dauphin Extension agent, Fred Rudy, this is the first time Dauphin County has gone home with the Grand Champion award.

Leaving the showing with Reserve Champion honors was a Lancaster Countian — Tracey Landis of Quarryville.

Tracey, the daughter of Jim and Linda Landis, sold her 1230-pound Purebred Angus to Wilmer Kreider, known as Willie the Butcher. Through her tears of sadness, which stemmed from having to say goodbye to her steer, Tracey watched as Kreider bid her steer up to \$1.06 per pound.

Tracey purchased the steer from Sam Wythe of Nottingham in April.

Two special awards were donated preceding the sale to this year's top showpeople for Lancaster County, as named at Monday's county show:

—An Angus Chianina crossbred

calf was donated by the Intelligencer Journal daily newspaper of Lancaster to Deb Greider, top showperson. The Intell. annually presents the county's top showmanship winner with a calf who in turn will raise it and show it in next year's competition. The presentation was made by Intell editor William Schultz.

—Chris Little, who placed as reserve champion showman received a \$300 check donated by Lancaster Farming newspaper. The check was presented by

publisher Robert G. Campbell who told the audience of buyers that sometimes there is a fine line between first and second and Chris' efforts should be rewarded.

Receiving Champion Showman award at the round-up was a Chester County native, Sheila Fairbairn of West Chester. Sheila showed a 1105-pound Limousin crossbred which also captured top honors in the lightweight class. This winner, the daughter of Ernest and Iris Fairbairn, admits to

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Dwayne Messick of R2 Elizabethtown sold his Grand Champion steer, weighing in at 1,215 pounds, to the Lancaster Stockyards at Tuesday's district baby beef show and sale. Holding the blue ribbon is Lancaster Stockyards president William McCoy, left.

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Farmers from across the state gather for the annual meeting of the Pennsylvania Farmers Association to set policies and present awards...A32.

Sellers and buyers huddle in a tent, oblivious to the weather, to watch the Willsholm Invitational — an all embryo transplant Holstein sale in Somerset County...A26.

Lancaster's Red Rose 4-H'ers and Dauphin's beef club members hold their county round-ups. Find out more on pages...D8 and D2.

Rinehart Farms female draws \$70,000 bid

BY DONNA TOMMELLEO
TANEYTOWN, Md. — A Romandale Reflection Marquis daughter sold for \$70,000 on Tuesday at the Rinehart Farms Holstein sale.

Rinehart Dawfinette, a Very Good 89 2-year-old out of in-

ternationally-known Rinehart Apollo Dawfin, brought top bid from Pennsylvania breeder Charles Hershberger, Martinsburg.

The 69 head of registered Holsteins averaged \$4,829 in the sale managed by R. Austin Backus, Inc.

More than 1,000 prospective buyers crowded into the sale tent

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Home and Youth

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Livestock market and auction news

Lancaster Market

Monday, November 9
Cattle Calves Hogs Sheep

Today	989	105	1005	159
Last Monday	854	115	1189	232
Last Year	684	121	729	125
Monday's Auction				
	739	105	980	150
Last Monday's Auction				
	729	117	1140	232

CATTLE: Slaughter steers weak to 50 lower; slaughter heifers 50-1.00 lower; cows 50-1.00 higher; bullocks fully steady; bulls 1.00-1.50 higher. Supply included 48% slaughter steers, 22% bulls, 18% heifers, and 12% cows.

SLAUGHTER STEERS: High Choice and Prime 3-4 1170-1375 lb. 63.00-63.85; Good and Choice 1-2 975-1325 lb. 62.25-64.00; Choice 2-4 1025-1300 lb. 60.85-63.00, couple lots 63.00-63.50; high Good and low Choice 2-3 950-1300 lb. 57.50-61.25; Good 2-3 55.50-58.00; Good and Choice 1070-1520 lb. Holsteins 54.50-57.25; Standard 1-2 1050-1275 lb. 52.00-55.00.

SLAUGHTER HEIFERS: Choice 2-3 900-1150 lb. 57.00-59.25, few yield grade 2 61.75-63.75; Good 2-3 800-1050 lb. 54.00-57.50.

COWS: Utility and Commercial 1-3 39.00-41.00, few 41.00-41.75; Cutter 1-2 37.00-40.00; Canner and low Cutter 34.00-37.25, few 33.00-34.00.

BULLOCKS: Choice 1000-1350 lb. 59.50-63.00, few head 63.50-65.50; Good 1000-1300 lb. 56.75-59.75.

BULLS: Yield grade 1 1300-1800 lb. 52.00-56.75, couple 58.50-61.50; yield grade 2 1000-1500 lb. 47.50-52.50, few 850-1000 lb. 46.75-47.50.

VEAL CALVES: Vealers uneven, Choice and Prime 5.00-8.00 lower, high Good and low Choice mostly steady. Demand fair for Holstein bulls to return to farm.

VEALERS: Few Prime special fed 260-320 lb. 100.00-114.00; Choice 140-280 lb. 85.00-95.00, few 95.00-100.00; high Good and low Choice 130-250 lb. 65.00-85.00, 80-120 lb. 45.00-50.00, few 50.00-58.00, 65-80 lb. 40.00-45.00.

RETURNED TO FARM: Bulk 80-115 lb. Holstein bulls 70.00-85.00.

HOGS: Barrows and gilts steady to 50 lower.

SHEEP: Woolled lambs steady, instances 1.00 lower on Choice; slaughter ewes fully steady.

WOOLED LAMBS: Few head Choice 60 lb. 65.00-68.00, bulk Choice 80-105 lb. 49.00-52.50; Good 60-95 lb. 45.00-50.00.

SLAUGHTER EWES: Utility and Good 25 00-28.00.

GOATS: All goats sold by the head at mainly 25.00-42.00

Vintage Livestock

Tuesday, November 10
Report supplied by USDA

Cattle Calves Sheep

Today	819	857	10
Last Tuesday	822	848	34
Last Year	702	714	42

CATTLE: Compared to last Tuesday slaughter steers weak to 50 lower, although Good and Choice 1-2 to retail outlets fully steady; slaughter heifers not fully tested; cows 1.00-2.00 higher; bulls fully steady. Supply included 53% slaughter steers, 39% cows, 4% bulls and 4% slaughter heifers.

SLAUGHTER STEERS: High Choice and Prime 3-4 1150-1400 lb. 62.50-63.85; Good and Choice 1-2 975-1400 lb. 63.35-65.75, 14 head 66.26-69.75; Choice 2-4 1050-1425 lb. 61.50-63.00, few 63.00-63.50; high Good and low Choice 2-3 925-1325 lb. 58.00-61.75; Good 2-3 55.00-59.00; Good and Choice 1150-1425 lb. Holsteins 56.00-57.50; few Standard 1-2 49.50-55.00.

SLAUGHTER HEIFERS: Choice 2-3 875-1025 lb. 57.75-60.00; few Good 2-3 825-1000 lb. 53.75-56.50.

COWS: Utility and Commercial 1-3 39.75-42.00, few 42.00-44.00, five head 44.50-46.75; Cutter 1-2 38.00-40.50, few 40.50-41.50; Canner and low Cutter 33.75-37.75.

BULLS: Yield grade 1 1300-1800 lb. 52.00-54.60; few yield grade 2 1000-1350 lb. 49.50-52.00. Couple Choice 1050-1300 lb. Bullocks 58 00-59.75.

VEAL CALVES: Vealers mostly steady, instances 3.00 lower. Demand good for calves to return to farm. Supply included 615 in

graded sale of which 73% sold to return to farm.

VEALERS: Few Choice 160-290 lb. 86.00-98.00; high Good and low Choice 160-250 lb. 66.00-83.00, 115-160 lb. 55.00-70.00, 80-115 lb. 44.50-57.00, few 60-80 lb. 36.50-46.00

RETURNED TO FARM: 105 head 90-115 lb. Holstein heifers 142.00-155.00, 40 head 80-90 lb. 108.00-118.00; 236 head 90-125 lb. Holstein bulls 85.00-89.50 and 90 head small frame 100-125 lb. 60.00-68.00.

SHEEP: Insufficient volume for a market test. Three head Choice 90-105 lb. woolled lambs 43.00-45.00; three head Good 50-70 lb. 35.00-43.00; and four head Utility slaughter ewes 17.00-20.00.

Lancaster Auction

Federal holiday

New Holland Livestock

Thursday, November 12
Report supplied by USDA

Cattle Calves Sheep Goats

Today	948	605	25	13
Last Thursday	728	606	46	16
Last Year	1084	603	31	21

CATTLE: Compared to last Thursday slaughter steers 50-1.00 higher, instances 2.00 higher on good to low Choice; Slaughter heifers firm to 1.00 higher; Cows uneven, Utility and Commercial 75-1.25 higher, Canner and Cutter steady, instances 50 lower; Bullocks firm to 1.00 higher; Bulls 1.00-2.00 higher, instances 3.00 higher on yield grade 2. Supply included 41 per cent cows, 39 per cent slaughter steers, 9 per cent bulls, 4 per cent slaughter heifers with the balance feeder steers sold in lots of 5 or less.

SLAUGHTER STEERS: Few high Choice and Prime 3-4 1125-1375 lb. 65.00-66.50, couple 66.50-67.00; Good and Choice 1-2 1050-1325 lb. 64.50-66.25; Choice 2-4 1000-1350 lb. 61.75-64.10, few 64.25-64.75; High Good and Low Choice 2-3 975-

1325 lb. 61.00-63.50; Good 2-3 58.00-61.25; Good and Choice 1150-1400 lb. Holsteins 55.00-58.00.

SLAUGHTER HEIFERS: Choice 2-3 850-1050 lb. 58.75-62.25; Good 2-3 825-1000 lb. 55.00-59.00.

COWS: Utility and Commercial 1-3 40.00-44.00, few 44.00-45.60; Cutter 1-2 37.50-41.00, few 41.00-42.00; Canner and Low Cutter 34.00-38.25.

BULLOCKS: Choice 1050-1350 lb. 59.00-62.50, few 62.50-64.75; Good 1000-1300 lb. 53.00-59.00.

BULLS: Yield Grade 1 1350-2000 lb. 51.00-54.75, couple 55.00-58.00; yield grade 2 1000-1450 lb. 48.00-52.00, few 900-1050 lb. 46.00-48.50

VEAL CALVES: Vealers weak to 5.00 lower Demand fair for calves to return to farm.

VEALERS: Few Prime Special 260-320 lbs. 105.00-112.00; Choice 140-290 85.00-100.00, few 100.00-105.00; High Good and Low Choice 140-250 lb. 65.00-85.00, 115-140 lb. 56.00-68.00, 80-115 lb. 45.00-52.00, few 52.00-57.00, 60-80 lb. 32.00-45.00.

RETURNED TO FARM: Bulk 90-120 lb. Holstein heifers 85.00-120.00, few 120.00-126.00, several 80-95 lb. 65.00-85.00; bulk 80-115 lb. Holstein bulls 60.00-85.00, few 85.00-92.00.

SHEEP: Slaughter ewes mostly steady, insufficient volume woolled lambs for a market test.

WOOLED LAMBS: Few Good 55-80 lbs. 36.00-43.00.

SLAUGHTER EWES: Utility and Good 20.00-28.00.

GOATS: All coats sold by the head, seven head 57.00-66.00, couple 31.00-46.00.

Lancaster Weekly

Fri., Nov. 13

Cattle Calves

This Week	4300	1600
Last Week	4128	1609
Last Year	3529	1539

CATTLE: Slaughter steers opened the week steady to 50 lower although closing sales 50-1.00 higher, instances 2.00 higher on Good to low Choice; slaughter heifers firm to 1.00 higher; cows uneven, Canner and Cutter mostly steady, Utility and Commercial 75-1.00 higher; bullocks fully steady; bulls 1.00-2.00 higher, instances 3.00 higher on Yield Grade 2. Supply included 30 per cent slaughter steers, 19 per cent cows, 8 per cent bulls, 5 per cent

heifers, balance feeder steers many held for Friday's auction

SLAUGHTER STEERS: High Choice & Prime 3-4 1125-1400 lbs. 63.50-65.00 with closing sales 65.00-66.50; Good and Choice 1-2 1050-1325 lbs. 64.00-66.25, 15 head 66.25-69.75; Choice 2-4 1050-1425 lbs. 61.50-64.00, few 64.00-64.75, high Good and low Choice 2-3 closed the week at 61.00-63.50, Good 2-3 56.00-61.00; Good and Choice 1100-1425 lbs. holsteins 54.50-58.00, Standard 1-2 49.50-55.00.

SLAUGHTER HEIFERS: Choice 2-3 850-1150 lbs. 57.00-61.00, few 61.00-62.25; Good 2-3 825-1000 lbs. 54.00-59.00.

COWS: Utility and Commercial 1-3 39.00-44.00, few late 44.00-45.60, Cutter 1-2 37.50-41.00, few 41.00-42.00, Canner and low Cutter 34.00-38.25.

BULLOCKS: Choice 1000-1350 lbs. 59.00-63.00, few 63.00-65.50; Good 1000-1300 lbs. 53.00-59.00.

BULLS: Yield Grade 1 1300-2000 lbs. 51.00-56.75, couple 56.75-61.50; Yield Grade 2 1000-1500 lbs. 48.00-52.00, few 900-1050 lbs. 46.00-48.00.

VEAL CALVES: Vealers weak to 5.00 lower. Demand fair for calves returned to farm.

VEALERS: Prime special fed 260-320 lbs. 100.00-114.00; Choice 140-290 lbs. 85.00-100.00, few 100.00-105.00; high Good and low Choice 140-250 lbs. 65.00-85.00, 115-140 lbs. 55.00-70.00, 80-115 lbs. 44.50-54.00, few 54.00-57.00, 60-80 lbs. 32.00-46.00.

RETURNED TO FARM: Bulk 90-120 lb. holstein heifers 85.00-125.00, with around 100 head 142.00-155.00, several 80-95 lbs. 65.00-85.00; bulk 80-115 lb. holstein bulls 80.00-90.00, few 60.00-80.00

Good's Hay

Leola, Pa.

Wednesday, Nov. 11

Report supplied by auction

84 loads.
Mixed 71.00-130.00; Timothy 63.00-123.00; Straw 41.00-75.00; New Corn 68.00-80.00; Alfalfa 90.00-138.00; one Clover 115.00; two Fodder 56.00 & 61.00.

New Holland Hay

New Holland Sales Stables

Monday, Nov. 9

Report supplied by auction

115 loads.
Mixed 90.00-110.00, few to 130.00; Straw 65.00-75.00; two loads Old Corn 90.00, one moldy 80.00; New Corn 69.00-75.00; Alfalfa 110.00-130.00, few to 150.00, low 88.00; Timothy 90 00-110.00, few to 123.00.

SPECIAL GRADED FEEDER CATTLE SALE

FRIDAY, NOVEMBER 20, 1981

11:00 A.M.

700 HEAD

All Breeds - All Weights
Prime - Choice - Good Grade
Sold in lots of 10 or more
Graded by Jim Anderson - USDA



LANCASTER STOCKYARDS WEEKLY SALES

SLAUGHTER SALES — MON. & WED. 10:00 A.M.
VEALERS, LAMBS, HOGS — MON. & WED. 11:00 A.M.
HOG AUCTION — SATURDAY 9:30 A.M.
STOCKER & FEEDER — FRIDAY 11:00 A.M.

NEXT FEEDER PIG SALE — NOV. 17

EQUIPPED TO RECEIVE YOUR LIVESTOCK
24 HOURS A DAY, 365 DAYS A YEAR.

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Every Friday at 12 Noon



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Out of State Buyers - Cash or Certified Check Only

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MONDAY'S AUCTION

8 00 A.M. Fat Hogs
10 00 A.M. Horse Sale
11 00 A.M. Hay Straw & Ear Corn
1 30 P.M. Fat Steers, Bulls Cows & Veal

WEDNESDAY'S AUCTION

12 00 Noon Dairy Sale
1 30 P.M. Feeder Pig Sale

THURSDAY'S AUCTION

11 00 A.M. Beef Sale
Order of Sale: Bulls Fat Steers Cows Veal
3 30 P.M. Calf Sale

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Sale every Tuesday
at 1 30 P.M. starting
with feeder cattle
and pigs

Also Hay Sale
every Tuesday at
12 30



VINTAGE SALES STABLES, INC.

Sale Every Tuesday & Friday
11 A.M.

Slaughter Cattle Auction -
Steers, Bulls, Heifers, Cows,
Feeder Cattle.

(no calves or sheep Friday)

Get calves in early We start to grade and
weigh at 2:30

Sale Every Wednesday &
Saturday - 9 A.M.

Hog Sale

Starting Friday, October 16 for
Hay and Straw Sale.

4 possum bellied trailers
available for long distance
and local hauling

Business Phone
717-768-8204

Home Phone
215-458-5060

L. Robert Frame, Manager
Box 100 Paradise, PA
10 miles East of Lancaster on Rt 30

Hog Markets

Lancaster Feeder Pigs

Tuesday, November 10
Report supplied by USDA

Today 1002
Last Tuesday 1094
Last Year 903
TREND: Compared to last Tuesday feeder pigs uneven; weights under 50 lb. 5.00-10.00 higher, instances 15.00 higher; weights over 50 lb. steady to firm. All pigs weighed on arrival and sold by the hundred weight.
US 1-2: 63 head 29-39 lbs. 101.00-106.00; 149 head 40-49 lbs. 86.50-99.00; 135 head 45-48 lbs. 106.00-110.50; 35 head 50 lbs. 91.00; 63 head 51-59 lbs. 62.00-76.00; 38 head 60-69 lbs. 60.00-70.00.
US 2: 27 head 38 lbs. 86.00; 46 head 40-49 lbs. 79.00-85.00.
US 2-3: 73 head 30-39 lbs. 80.00-94.00; 38 head 40-49 lbs. 68.00-76.00; 64 head 50-74 lbs. 50.00-73.00.
UTILITY: 86 head 15-50 lbs. 61.00-84.00.

Peoria Hogs

Thursday, November 12
Report supplied by USDA

HOGS: 3500. Barrows & gilts moderate, opening 50 lower. US 1-2 200-240 lbs. mostly 44.00-44.50; US 1-3 200-240 lbs. 43.50-44.00.
SOWS: Firm-2.00 higher, most advance on weights over 500 lb. (15%). US 1-3 350-425 lbs. 39.00-39.50; 425-500 lbs. 40.00-41.00; Over 500 lbs. 41.50-42.00, some 41.00.
BOARS: Over 350 lbs. mostly 37.50-38.50; under 350 lbs. 38.00-39.00, few 39.50.

New Holland Feeder Pigs

Wednesday, November 11
Report supplied by USDA

Today 892
Last Wednesday 900
Last Year 1582
TREND: Compared to last Wednesday feeder pigs mostly steady. All pigs weighed on arrival and sold by the hundred weight.
US 1-2: 102 head 25-39 lbs. 86.00-97.00; 234 head 40-49 lbs. 72.00-87.00; 212 head 50-59 lbs. 70.00-81.00; 43 head 63-67 lbs. 61.00-71.00; 10 head 77-84 lbs. 56.00-60.00.
US 2-3: 5 head 19 lbs. 96.00; 54 head 32-35 lbs. 70.00-83.00; 37 head 41-49 lbs. 63.00-71.00; 23 head 53-55 lbs. 69.00-71.00; 29 head 60-89 lbs. 56.00-64.00.

Lancaster Hogs

Monday, November 9

Report supplied by auction
BARROWS AND GILTS: US 1-2 200-250 lbs. 46.25-46.85, few 46.85-47.25; US 1 205-245 lbs. 47.50-48.50, few 49.00-49.50; US 1-3 220-265 lbs. 45.50-46.25.
SOWS: US 1-3 350-600 lbs. 40.00-42.00, few 42.00-42.50.
Tuesday, November 10
Today 258
Last Monday 424
TREND: Barrows and gilts steady to 25 higher, instances 50 higher.
BARROWS AND GILTS: US 1-2 200-245 lbs. 46.50-47.00, few 47.10-47.25; US 1 205-240 lbs. 47.25-47.60, few 48.50-49.00; US 1-3 210-260 lbs. 46.25-46.75.

Vintage Hogs

Saturday, Nov. 7

Hogs: No. 1 210-250 lbs. 46.50-47.85 per head; No. 2 & 3 205-245 lbs. 44.50-46.00; Sows 380-600 lbs. 39.00-41.85; Boars 280-600 lbs. 37.00-40.50.

Wednesday, Nov. 11

Hogs: No. 1 210-245 lbs. 47.00-47.85; No. 2 & 3 200-245 lbs. 46.00-47.00; Sows 390-600 lbs. 39.00-42.50; Boars 260-600 lbs. 37.00-41.50.

Indianapolis Hogs

Thursday, November 12

HOGS: 1500 - Barrows & gilts moderately active, 50-75 lower. US 1-2 220-250 lbs. 44.25-44.75.
SOWS: Moderately active, steady to 50 higher. US 1-3 350-425 lbs. 39.00-40.00; 500-650 lbs. 41.50-42.25, many at 42.00.
BOARS: Few 250-270 lbs. 33.00-34.00; over 400 lbs. few 36.00.

St. Louis Hogs

Thursday, November 12
Report supplied by USDA

HOGS: 7000. Barrows & gilts moderate, weak to mostly 50 lower. US 1-2 200-240 lbs. 43.50-43.75; US 1-3 230-250 lbs. 43.00-43.50; 250-260 lbs. 42.50-43.00; US 2-3 250-270 lbs. 42.00-42.50.
SOWS: Steady-50 lower. (About 7%). US 1-3 300-500 lbs. 38.25-39.00; Over 500 lbs. 39.50-42.00.
BOARS: Over 250 lbs. 37.00; 200-250 lbs. 37.00-37.50.

Lancaster Hogs

Lancaster Stockyards
Saturday, Nov. 7

Report supplied by auction
1130 head.
U.S. 1 210-235 lbs. 47.50-49.00, few at 49.50-50.50; U.S. 1 & 2 210-240 lbs. 46.10-46.75; U.S. 2 & 3 200-255 lbs. 45.50-46.00; Sows 350 lbs. and up 38.50-41.50; Boars 200 lbs. and up 37.00-39.50.

U.S. Inspected Livestock Slaughter

Estimated Daily Livestock Slaughter — Thursday, Nov 12
Report supplied by USDA Estimated Daily Livestock Slaughter Under Federal Inspection

	CATTLE	CALVES	HOGS	SHEEP
This Week	469,000	40,000	1,274,000	83,000
Last Week	504,000	41,000	1,368,000	96,000
Last Year	459,000	37,000	1,356,000	78,000

Chicago Grain Futures

(Closing Bids as of Thursday Nov. 12)

	Corn	Wheat	Soybeans	Soybean Meal
Nov.	—	—	6.39 1/4	—
Dec.	2.81 1/2	4.35 1/4	—	187.90
Jan.	—	—	6.56 1/4	191.40
Mar.	2.99 1/4	4.61 1/2	—	196.60
May	3.11 1/4	4.70 1/2	6.74 1/4	—

Trend - Corn is higher, Wheat is higher, Soybeans are higher, Soybean Meal is higher.

Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

New York Multiple Drop Broiler Report

Tuesday, November 10

RANGE: U.S. Grade A 42-45 1/2; Plant Grade TFEWR; Premium (X) U.S. Grade A 46-47.
WTD. AVG.: U.S. Grade A 45.16, Premium (X) 46.84.
(X) Includes special services, selected competitive brands, etc.

Omaha Cattle

Thursday, November 12
Report supplied by USDA

Through midweek, steers 1.00-1.25 higher, instances 1.50 higher. Heifers 50 higher, instances 75 up. Cows firm to largely 1.00 higher on limited receipts. Bulls steady to weak.

Four Day Receipts 12,700
Last Week 11,150
Year Ago 10,850

Slaughter steers and heifers posted the first higher close in at least six weeks after a further price downturn was pressured Monday when receipts swelled to 7,600 head. The trade more than recovered early losses with curtailed receipts and price advances for carcass and boxed beef the factors. Slaughter steers made up about 35 pct. of the estimated five day total; heifers 23 pct. Cows continued in small supply, 4 pct.; feeders, including Friday's auction, 36 pct.

STEERS. At midweek, four loads Choice 2-3 1100-1275 lbs. 61.00. Choice 2-4 1050-1300 lbs. 58.75-60.50, largely 59.00-60.50. Few Mixed Good and Choice 2-3 58.50-59.25, few Good 56.00-59.00. Load and part load Good and Choice 2-3 holsteins 56.00-56.50.

HEIFERS. Two loads and part load Choice 3 1025-1190 lbs. 59.00. Choice, some Prime 2-4 900-1100 lbs 57.00-58.50, few loads 3 58.75. Few Choice and Prime 3-4 56.00-57.50. Few Mixed Good and Choice 2-3 56.00-57.00, Good 54.00-56.00

Futures Trading

(Closing Bids as of Thursday, Nov 12)

	Chicago Cattle	Chicago Hogs	New York Maine Potatoes
Dec.	64.15	47.12	—
Feb.	65.07	49.20	—
Apr.	65.37	47.30	8.64

Trend - Cattle are higher, Hogs are lower. Potatoes are steady.

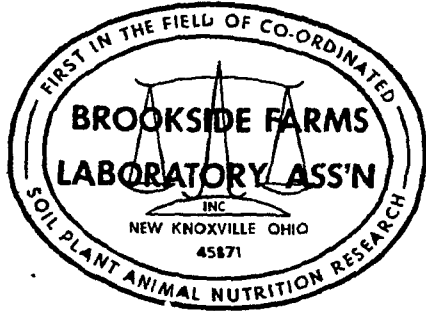
Market Provided by Commodity Department
Dean Witter Reynolds, Inc.

Average of detailed quotations for Choice 900-1100 lbs. steers 59.02, 1100-1300 lbs. 59.12. Average cost steers 58.49, average weight 1174 lbs. compared 58.68 and 1178 lbs. a week ago. Average cost heifers 55.90, average weight 1021 lbs. compared 57.21 and 1035 lbs. a week ago.

COWS: High-cutter, Utility and Commercial 1-3 36.50-39.50, few high-dressing 40.00-41.00. Canner and Low-Cutter 32.00-36.50.

BULLS: 1-2 1100-1800 lbs. 45.00-49.00, few 1 49.00-50.00.

FEEDERS: Medium Frame 1 fleshy steers, some in Choice slaughter flesh 1000-1100 lbs. 58.00-61.00, closed 60.00-61.00.



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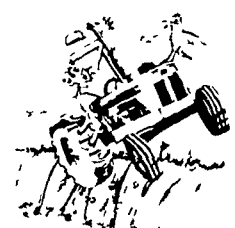
What does all this add up to?

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NEXT FEEDER PIG SALE
Tuesday, November 17, at 1:00 PM

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TRACTOR SAFETY HINT



Install rollbars, fasten seat belts! And stay off slopes if you can't be sure of tractor stability. Same advice goes for dips, gullies and ditches. When going downhill use lowest possible gear. Space wheels as wide as possible. And wear your seat belt.

Poultry Markets

Nest Run Eggs

Prices are from Egg Clearinghouse, Inc., (ECI) Durham, N.H. and reflect trading prices for gradable nest run eggs (GNR) on ECI, a nationwide trading center for producers, packers and marketers. GNR eggs are classified by weight in 30-dozen cases, and traded in lots of either 300 or 750 cases. Prices are FOB buyers dock, and are computed Tuesday and Thursday of each week. This week's prices for each classification were:

Classification	Net Weight	Nov. 10	Nov. 12
Class 1 - Large	48 lbs.	67	68.5
Class 2 - Large	45 lbs.	65	65
Class 3 - Medium	42 lbs.	62	62
Class 4 - Small	39 lbs.	49	49
Breaking Stock	48 lbs.	55	55
Checks	48 lbs.	50	50

Weekly New York Egg Market

	From Friday, Nov. 6 to Nov. 13				
	Fri.	Mon.	Tues.	Wed.	Thurs.
WHITE					
Jumbo	85	85	85	H	87
Ex Large	82	82	83		85
Large	81	81	82	O	84
Mediums	78	78	79		82
Pullets	62	62	63	L	63
BROWN					
Jumbo	99	99	100	I	100
Ex Large	91	91	93	D	94
Large	89	89	91	A	92
Mediums	Unquoted				
Pullets	Unquoted				
Peepees	Unquoted				
Off Grade					
Large	74	74	75	Y	76
Checks	46	46	46		46

Tone: Buying interest improved. Supplies ample. Market steadier.
Copyright 1981 by Urner-Barry

Philadelphia Eggs

Tuesday, Nov. 10
Report supplied by USDA
Prices unchanged. Cartoning demand fair although unaggressive unless involved with a feature. Offerings adequate but

held with confidence. Undertone fully steady.
Prices to Retailers: Sales to volume buyers, consumer grades white eggs in cartons delivered store door:
A Extra Large 79-83; A Large 78-82; A Medium 74-78.



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Record-Express Office Building
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or Lititz 717-626-1164

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N. E. Weekly Shell Egg Report

Tuesday, Nov. 10
Report supplied by USDA

Prices paid per dozen Grade "A" Brown eggs in cartons delivered to retail stores:

	Ex. Large	Large	Medium	Small
MASS.X	95-101	93-99	87-94	63-69
Mostly	97-99	95-97	89-92	65-67
N. HAMP.	90-96	88-94	82-88	58-64
Mostly	92-95	90-93	84-87	60-63
R.I.	98-99	96-97	91-92	66-67
VERMONT	97-105	95-102	89-97	-
Mostly	97-99	95-97	89-91	-
MAINE	95-97	93-95	87-89	63-65

X Includes Central and Western Sections only.

Fogelsville Poultry

Fogelsville, Pa.
Tuesday, Nov. 3

Report supplied by USDA

HENS, LIGHT TYPE: range 5-12, mostly 12.
HENS, HEAVY TYPE: range 26-35, mostly 28.

PULLETS: range 48-58, mostly 50.

ROASTERS: range 48-56, mostly 48.

CAPONS: range 59.

FRYERS: range 17-46, mostly 46.

DUCKS: range 53-61, mostly 61.

DRAKES: range 64-90, mostly 80.

GEESE: range 30-53, mostly 35.

TURKEYS, TOMS: range 35, mostly 35.

TURKEYS, HENS: range 25, mostly 25.

RABBITS: range 35-85, mostly 76.

GUINEAS: range 100-135, mostly 130.

PIGEONS (PER PAIR): range 200-226, mostly 226.

JUMBO SQUAB: range 200-226, mostly 226.

TOTAL COOPS SOLD: 180.

Eastern Pa. & N.J. Poultry

Tuesday, November 10
Report supplied by USDA

Prices light type hens generally one cent higher at both plant and farm. Offerings very light for a fair to good interest. Offerings of heavy type barely adequate for an improved call.

Prices Paid at Farm:

Light Type Hens: 10-11, mostly 10½-11.

F.O.B. Plant: 12-13, mostly 12½-13.

Heavy Type Hens: TFEWR.

Baltimore Eggs

Tuesday, November 10
Report supplied by USDA

Demand fair. Supplies adequate to ample with inventories often accumulating.

Cartoned Eggs: Prices to retailers, state graded (min one case sale) white.

Grade A Large 81-86

Grade A Medium 78-83

Heinsey's Poultry Market

Root's, East Petersburg
Tuesday, Nov. 10

Report supplied by auction

MUSCOVY DUCKS, DRAKES: range .52-.62 per lb.

MUSCOVY DUCKS, HENS: range .40-.52 per lb.

PEKING DUCKS: range .54-.62 per lb.

PULLETS: 6-8 lbs. range .48-.52 per lb.

RED FOWL: 4-5 lbs. range .18-.28 per lb.

RED FOWL: 5-6 lbs. range .24-.32 per lb.

CROSSBRED FOWL: 5-9 lbs. range .26-.34 per lb.

CROSSBRED ROOSTERS: 4-6 lbs. range .40-.62 per lb.

CROSSBRED ROOSTERS: 7-11 lbs. range .32-.54 per lb.

GUINEA FOWL: range 1.00-1.20 ea.

BANTY ROOSTERS: range 1.50-3.25 ea.

BANTY HENS: range .25-.85 ea.

GEESE: 9-14 lbs. range .40-.66 per lb.

TURKEYS: 10-21 lbs. range .40-.56 per lb.

PIGEONS: range .75-1.10 ea.

WHITE PIGEON: range 1.25-2.00 ea.

RABBITS: 4-6 lbs. range .70-.86 per lb.

RABBITS: 7-10 lbs. range .40-.68 per lb.

GUINNEA PIGS: range .25-2.75 ea.

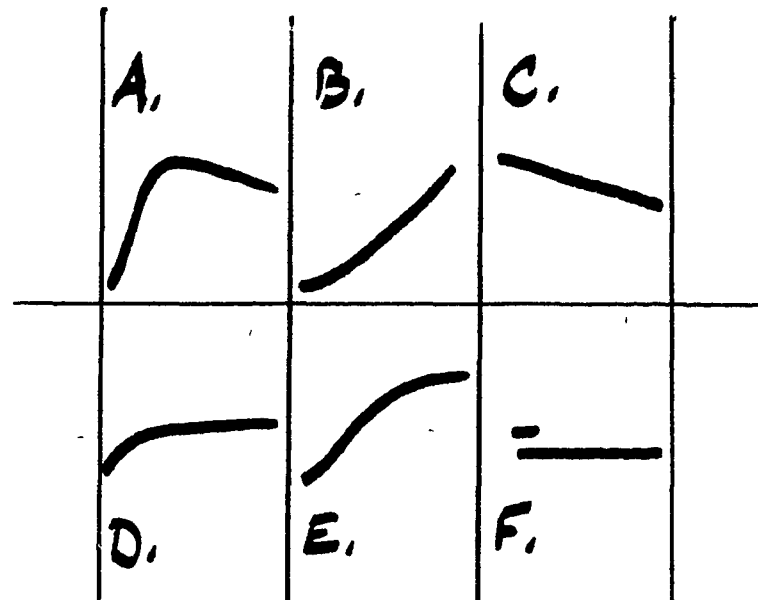
GOATS: range 24.00-42.50 ea.

KID GOATS: 19.00-30.00 ea.

TOTAL AMOUNT COUPS: 810.

Question:

Which of the following six lines is most important to today's surviving poultryman?



If you answered F. (the "Bottom Line") you are correct. The other lines (identified below) all play a part, of course, in making up the bottom line. But don't catch yourself bragging to your neighbors about peak production or egg size or feed consumption if your bird isn't the best "bottom line" performer. The DEKALB DK layer, we believe rates with the best on "bottom line" potential. We'd be glad to share with you some of the facts that make true this statement.

(Identification of other lines above A Hen-day production, B. Hen-housed production, C Livability, D Feed consumption, E % Large eggs)

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Moyer's CHICKS, INC.

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BROWN & WHITE
EGG LAYERS

Quakertown, PA 18951
(215) 536-3155

HUBBARD
WHITE MT.
BROILERS

Delmarva Poultry

Tuesday, Nov. 10

Report supplied by USDA

R.T.C. movement light to fair, especially for Thursday needs as many distributors will be closed tomorrow in observance of Armistice Day. Slaughter today moderate with a few less on Wednesday as 2 plants will not be operating. Today's L.T.L. asking prices steady at 44-47 cents on U.S. Grade A. Advance interest fair although generally unaggressive. Live supplies ample at weights in a wide range. Undertone steady.

Estimated slaughter of broiler fryers in Delmarva (000).
Estimated 11/10 1664; Actual 10/3 1674; Actual 11/6 1620; Average Weights 11/6 4.12; 10/30 4.14.

...Est. Kill 10/11/81 - 1445 head.



TOP OF THE HOG MARKET
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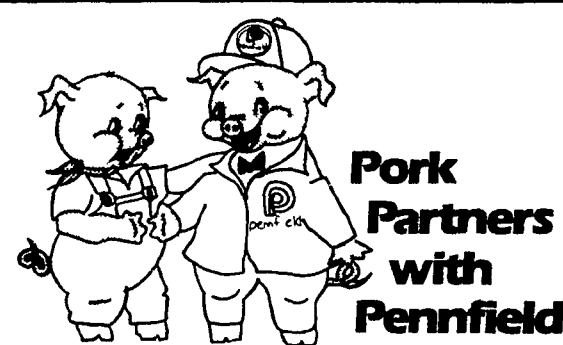
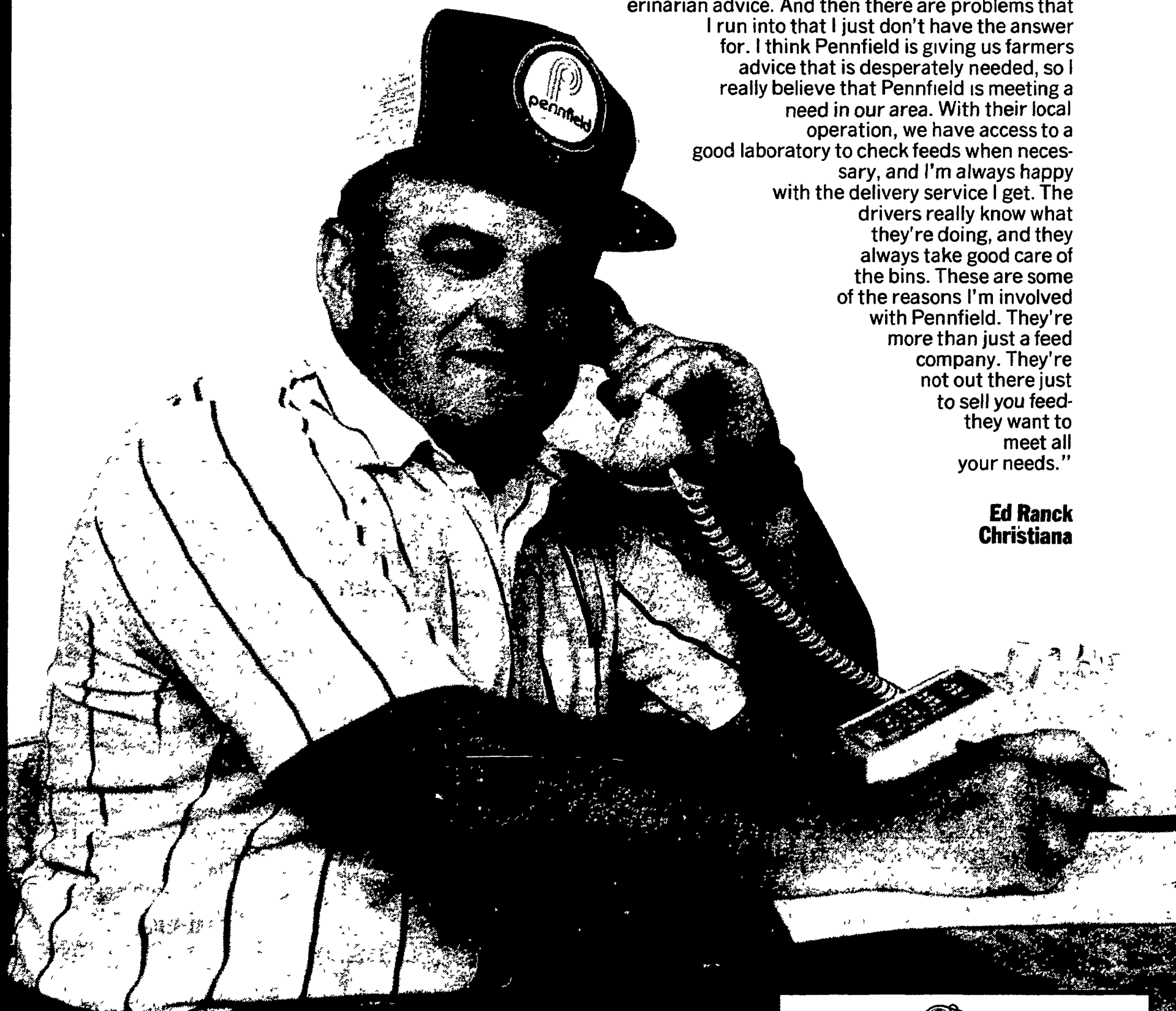
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Hay Markets

Regional Hay

Monday, November 9

Report supplied by PDA

(All hay No. 2 and better, prices paid by the dealers at the farm and per ton.)

Hay and Straw steady, instances stronger.

Alfalfa 80.00-110, mostly 90.00-100. Mixed Hay 75.00-80, few down to 65.00. Timothy Hay 60.00-80.00. Straw 40.00-50.00. Mulch 30.00-40.00.

Green Dragon Hay

Ephrata, Pa.

Friday, November 6

Report supplied by PDA

46 Loads Hay and 8 Loads Straw. Alfalfa 98.00-131.00; Mixed Hay 69.00-139, mostly 82.00-115; Timothy Hay 95.00-115.00; Orchard Grass, individual 53.00; Straw 60.00-70.00; Ear Corn, 18 loads 68.00-78, few to 110.00; Corn Fodder, individual 57.00; Oats, individual 1.75 per bu.

New Wilmington Hay

Friday, November 6

Report supplied by auction

10 Loads Hay and 3 Loads Straw. Alfalfa, individual 120.00; Mixed Hay 75.00-105.00; Timothy Hay, individual's 90.00 & 99.00; Straw 50.00-56.00; Ear Corn, 2 loads 59.00 & 69.00; Oats, one load 2.40 per bu.

Vintage Hay & Straw

Friday, Nov. 6

Mixed Hay 72-95; Straw 62-65; Ear Corn 60-62; Fodder 49.00.

Computer Slaughter Lamb Sale

Dublin, Va.

Friday, Nov. 6

Report supplied by VDA

1041 head sold. All Special Sales were graded by Representatives of the VDACS's Bureau of Livestock Marketing Services on USDA standards and sold by the hundredweight.

Choice & Prime 95-125 lbs. Shorn Lambs with No. 1 Pelts 50.00-51.25.

Choice & Prime 95-125 lbs. Woolled Lambs \$47.50-49.25.

Choice 85-125 lbs. Shorn Lambs with No. 1 Pelts \$47.00-48.25.

Choice 85-125 lbs. Woolled Lambs \$44.50-46.25.

New Holland Dairy

New Holland, Pa.

Wednesday, Nov. 11

Report supplied by auction

Reported receipts of 73 cows, 35 heifers, and 15 bulls. Market stronger.

Load of Pa fresh cows, 1400.00-1475.00; Load of NY fresh cows, 1300.00-1675.00, springers 1060.00-1500.00; Load of Pa. springers, 900.00-1110.00; Load of Pa fresh cows, 1025.00-1525.00.

Locally consigned cows 625.00-1425.00; Springing heifers 775.00-1240.00; Open Heifers 280.00-680.00; Bulls 385.00-685.00.

Keister's Hay

Middleburg, Pa.

Wednesday, Nov. 11

Report supplied by auction

10 loads. Alfalfa 82.00-116.00, Mixed 72.00-78.00; Straw 47.00-51.00.

Frederick Co. Hay

18 loads; market steady.

Alfalfa 100.00-165.00; Corn fodder 48.00; Mixed alfalfa 97.00-112.00; Straw 52.00-56.00; Timothy 100.00-103.00; Stubble hay 45.00-60.00; Orchardgrass 56.00-59.00; Birdseed trefoil 96.00; Mixed hay 78.00; Firewood, 67.50 per cord.

Livestock market and auction news

Pa. Grain

Monday, Nov. 9

Report supplied by PDA

Compared with last Monday's market for Southeastern, Central and South Central Pa. Corn unevenly steady, corn harvest 60% to 90% completed in most areas. Wheat steady to strong. Barley steady to weak. Oats unevenly steady. New Ear Corn steady to \$5 higher.

Prices paid delivered to dealers dock - (All prices per bushel, except Ear Corn per ton.)

Southeastern Pa.

Corn No. 2-y range 2.47-2.75, average 2.61; Wheat No. 2 range 3.25-3.88, average 3.51; Barley No. 3 range 2.00-2.25, average 2.15; Oats No. 2 range 1.80-2.12, average 1.96; Soybeans No. 1 range 5.70-6.05, average 5.92; Grain Sorghum No. 2 range 2.12, average 2.12; Buckwheat range 9.80, average 9.80; Old Ear Corn range 71.00-90.00, average 79.39; New Ear Corn range 55.00-65.00, average 61.01.

Central Pa.

Corn No. 2-y range 2.40-2.65, average 2.54; Wheat No. 2 range 3.00-3.35, few reported 3.95, average 3.36; Barley No. 3 range 2.00-2.25, average 2.08; Oats No. 2 range 1.55-1.80, average 1.69; Soybeans No. 1 range few reported 5.60-5.75, average 5.68; Grain Sorghum No. 2 range 2.30-2.35, average 2.33; Buckwheat range 9.00-10.00, average 9.50; Old Ear Corn range 71.00-80.00, average 75.88; New Ear Corn range 48.00-56.00, average 51.68.

South Central Pa.

Corn No. 2-y range 2.45-2.57, average 2.52; Wheat No. 2 range 2.80-3.60, mostly 3.00-3.15, average 3.08; Barley No. 3 range 2.15-2.25, few reported down to -1.80, average 2.13; Oats No. 2 range 1.80-1.95, few reported down to -1.60, average 1.83; Old Ear Corn range 61.00-85.00, average 73.21; New Ear Corn range 51.00-60.00, average 55.27.

Western Pa.

Corn No. 2-y range 2.40-2.70,

average 2.59; Wheat No. 2 range 3.00-3.15, average 3.05; Barley No. 3 range 2.15-2.25, average 2.20; Oats No. 2 range 1.70-2.00, average 1.85; Buckwheat range 8.00, average 8.00; Old Ear Corn range 70.00-74.00, average 72.00.

Southeastern, Central & South Central Summary

Corn No. 2-y range 2.45-2.70, average 2.57; Wheat No. 2 range 3.00-3.70, average 3.37; Barley No. 3 range 2.00-2.25, average 2.12; Oats No. 2 range 1.60-2.00, average 1.82; Old Ear Corn range 70.00-85.00, average 76.64; New Ear Corn range 50.00-63.00, average 56.60.

Oklahoma Cattle

Thursday, November 12

Report supplied by USDA

Estimated Receipts 6,300

Same Day Last Week 3,238

Fairly active, Feeder Steers under 600 lb. and Heifers under 500 lb. steady to 50 higher; Feeder Steers over 600 lb and Heifers over 500 lb generally steady. Majority receipts consist mainly of medium, few large frame No. 1 and Mixed No. 1-2 400-800 lb. Feeder Steers and 300-600 lb. Feeder Heifers; moderate attendance buyers.

FEEDER STEERS Medium, few large frame No. 1 300-500 lb 71.75-75.10; 500-600 lb. 65.00-69.50, small lot 516 lb. at 70.10; 600-700 lb 63.25-65.80; 700-800 lb. 63.00-64.90, short load 781 lb. at 67.00.

Medium and Large Frame Mixed No. 1-2, Pkg. 206 lb. at 75.00; 300-500 lb. 65.50-70.00; 500-650 lb. 62.00-63.50; few 760-770 lb. 59.40-62.10 Medium and Large Frame No. 2 550-625 lb 55.90-57.75. Large Frame No. 2 Holsteins 700-800 lb 51.25-54.60.

FEEDER HEIFERS Medium, few large frame No. 1 300-500 lb 56.00-63.10; 500-600 lb. 55.25-58.80; few 668-700 lb 54.75-56.50 Small Frame No. 1, few 375-475 lb. 52.00-53.00. Medium and Large Frame Mixed No. 1-2, few 280-290 lb 56.00-57.00; 400-500 lb 52.60-55.00, 500-600 lb 52.00-54.25; 615-670 lb 50.10-

52.80 Medium and Large Frame No. 2 400-500 lb. 46.75-51.50; 500-600 lb. 47.50-49.75.

FOR THE WEEK: Compared to late last week, Feeder Cattle and Calves under 500 lb. 2.00-3.00 higher; Over 500 lb firm to 2.00 higher. Slaughter cows steady to 2.00 higher, late sales Utility and Commercial 2-3 38.00-40.25; Low Dressing and YG 3-4 35.75-38.50; Cutter 1-2 35 25-37.50; Canner and Low-Cutter 32.00-34.30. Slaughter Bulls steady to 1.00 lower with trade poorly tested late; late sales YG 1-2 1200-1600 lb 48.00-53.00. Salable receipts for the week totaled near 21,800 head compared to 16,502 the previous week and 24,477 the comparable period a year ago. Majority receipts or fully 93 percent of the salable supply consisted of Feeder Cattle and Calves; Cows and Bulls numbered near 1,550 head and comprised 7 percent of the available supplies.

Valley Livestock

Valley Stockyards

Athens, Pa.

Monday, Nov. 9

Report supplied by auction

Reported receipts of 304 calves, 115 cows, 11 bulls, 7 heifers, 19 steers, 57 hogs, 2 lambs, 14 sheep. Cattle market higher, calf market steady.

Holstein Heifer Calves to 100.00; Veal Calves 60.00-88.50; Bobs, 90-110 lbs. 58.00-70.00; Bobs, 80 and down 46.00-50.00; Grassers & Feeders 10.00-54.00; Lambs 44.00-46.00; Sheep 18.00-20.00; Hogs, 200-250 lbs. 42.00-46.50; Sows 41.00-44.00; Boars 35.10-35.50; Pigs 10.00-26.00; Heifers 37.00-40.00; Steers 42.00-51.00; Steers, feeder 46.00-53.00; Bulls 42.00-45.00; Cows, utility 37.00-43.75; Cows, fat 36.00-41.00; Cows, medium 34.00-36.00; Cows, poor or small 25.00-32.00; Horses small to 210.00; Ponies to 77.50; Goats 10.00-44.00.

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- * 1972 International, COF4070AYT, 335 HP

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- * 1975 Barrett, 44' Pot
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- * 1974 American, 43' Pot
- * 1974 American, 43' Pot
- * 1967 Freuhauf, 45' Str., DD Rail
- * 1966 Freuhauf, 43' Pot
- * 1960 Freuhauf, 45' Str, DD Rail

INSULATED VAN

- * 1968 Freuhauf, 40'

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SALE EVERY FRIDAY
Bulls, Steers, Slaughter Cows,
Lambs and Veal Calves
11:00 A.M. - Beef Sale Stockers & Feeders
200 to 250 each week.
12:30 P.M. - Dairy Cows
7:00 P.M. - Small Animal Sale

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on the farm or at our barn or other
market information call: Office 717-733-
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FRIDAY, NOVEMBER 27
ON THE FARM MONTHLY
BRED GILT SALE
Sale to Start Promptly at 1:00
Every 4 Weeks

Located 18 miles south of Lancaster,
Pa., 6 miles south of Quarryville, take Rt.
272 to Little Britain, turn north, follow
Little Britain Road to Jackson Road, 2nd
farm, OR take Rt. 222, out of Quarryville
to Cedar Hill Road to Little Britain Road
to Jackson Road. Watch for sale arrows.
50 to 60 Head

Now selling our new hybrid gilts
representing mostly York &
Landrace cross. Bred for easier &
less trouble over farrowing.

Brucellosis Negative Tested
& Pseudorabies Negative Tested.
Health Charts Day of Sale

Due to farrow 3 days to 4 weeks after sale
date. Now everything vaccinated for both
Lepto & Erysipelas, wormed and sprayed for
lice

Local Trucker Available.
No Hogs Sold On Commission.

CHRIST A. BEILER
R.D. 2, Quarryville, Pa
JOHN B. STOLTZUS
R.D. 1, Kirkwood, Pa
Abe Diffenbach, Auctioneer

Livestock market and auction news

Morrison Cove Auction

Monday, November 9

Report supplied by auction

CATTLE 211. High Choice & Prime slaughter steers 59.25-62.25, Choice 57.50-59.50, Good 53.50-55.50, Standard 44.50-52.25, Utility 40.00-44.50. Choice slaughter heifers 59.00-59.50, Good 54.00-55.50, Standard 48.00-52.50, Utility 42.00-46.50. Utility & Commercial slaughter cows 41.25-45.25, Cutters 37.50-41.25, Canner & Low Cutter 34.50-38.50, Shells down to 28.50. Choice slaughter bullocks 53.50-56.75, Good 52.50-53.50, Standard 48.00-52.50, Utility 42.00-46.50. Yield Grade #1 slaughter bulls 55.10-56.20; yield grade #2 44.90-49.50. Choice feeder steers 58.00-61.00, Good 52.50-57.50, Medium 48.50-52.50; Good feeder heifers 52.00-54.25, Medium 44.25-48.50; Good feeder bulls 52.50-56.50, Good 45.50-47.25.

CALVES 348. Prime vealers 90.00-94.00, Choice 85.00-89.50, Good 75.00-84.50, Standard & Good 110-130 lbs. 65.00-74.50, 90-110 lbs. 58.50-62.50, 70-90 lbs. 45.00-52.50. Farm calves, holstein bulls 90-125 lbs. 80.00-102.50; holstein heifers 90-130 lbs. 85.00-132.50.

HOGS 301. US No. 1-2 barrows & gilts 46.25-48.25, No. 1-3 45.50-46.10, No. 2-3 44.50-45.50, No. 2-4 44.00-44.50, No. 1-3 44.00-45.00. US No. 1-3 sows 43.50-46.25. Boars 33.50-38.50.

FEEDER PIGS 117. US No. 1-3 25-40 lbs. feeder pigs 18.00-24.50 per head, No. 1-3 40-60 lbs. 25.50-29.50 per head.

SHEEP 7. Choice 90-120 lbs. wooled slaughter lambs 49.50-55.00, Good 80-95 lbs. 45.00-48.50, Utility 60-80 lbs. 42.50-45.00.

GOATS 2. 22.00-36.00 per head.

Dewart Auction

Monday, November 9

Report supplied by PDA

CATTLE 179. Compared with last Monday's market, slaughter cows 75 cents-\$2 lower. Few Choice 2-3, 1270-1400 lbs. slaughter steers 60.50-64, few Good 56.25-60, few Standard 48.75-56.10. Utility & Commercial slaughter cows 35-39.75, couple 43.35, Cutters 32-35.25, Canner & Low Cutters 25.50-31.85. Few Yield Grade #1, 950-1685 lbs. slaughter bulls 46.25-54.75. Few

Large Frame #1, 400-570 lbs. feeder heifers 49-55.25.

CALVES 232. Vealers grading Standard and Low Good 70-95 lbs. \$5-\$7 lower. Choice vealers 81.00-92, Good 70.00-78, Standard & Good 70-95 lbs. 53.00-57. Farm Calves: Hol. Bulls 85-130 lbs. 58.00-65, couple 88; Hol. Heifers 80-140 lbs. 76.00-105.

HOGS 259. Barrows and gilts mostly 50 cents higher. US No. 1-2 210-235 lbs. barrows and gilts 47.30-47.90, lot 48 & 48.50, No. 1-3 210-235 lbs. 45.50-47.25, few lots No. 1-3 185 lbs. at 40. US No. 1-3 300-650 lbs. sows 41-44.25, couple 45.00. Boars 29-39.25.

FEEDER PIGS 169. US No. 1-3 20-35 lbs. feeder pigs 19.00-29 per head, No. 1-3 45-65 lbs. 30.00-35 per head.

SHEEP 8. Few Good and Choice 65-110 lbs. wooled slaughter lambs 45.00-52.

Peoria Cattle

Thursday, November 12

Report supplied by USDA

Compared to last week slaughter steers closed mostly 1.00 higher. Heifers .50 to 1.00 higher. Cows 1.50-3.00 higher. Bulls firm to 2.00 higher. Trade opened the week slow, but turned active by mid-week. Field work throughout the trade area taking priority over livestock marketing at midweek. Reduced supplies, improved demand and aggressiveness of buyers plus increased packer buyers all contributed to higher trends for the first time in eight weeks. Receipts this week about 2600 as compared to 3073 a week ago and 4192 a year ago.

SLAUGHTER STEERS: Choice, few Prime 2-4 1000-1350 lbs. 58.00-60.25. Package and Load 1100-1185 lbs. 81.00. Several loads YG 3-5 1125-1325 lbs. 56.00-58.00. Good and Choice 2-3 950-1250 lbs. 57.00-59.50. Package 1425 lbs. Holsteins 57.50. Goods 57.00-58.00. Few Package returning to farms 54.00-57.00.

SLAUGHTER HEIFERS: Choice, including Prime 2-4 925-1050 lbs. 55.50-57.50, few part loads and loads 925-1100 lbs. 58.00. Package mostly YG 3-4 875 lbs. 54.00. Few lots mostly 4 51.50-52.50.

Mixed Good and Choice 2-3 900-1000 lbs. 54.00-56.00. Goods 53.00-55.00.

COWS: Utility and Commercial 1-3 34.00-39.00, late 36.00-39.00. Package High Yielding 41.00, Cutter 33.00-38.00, Canner, Low Cutter 32.00-37.00.

BULLS: YG 1-2 1000-1400 lbs. 38.00-43.00. 1400-2100 lbs. 43.00-48.00.

Four States Livestock

Hagerstown, Md.

Wednesday, Nov. 4

Report supplied by auction

SLAUGHTER: Fed Steers \$2.00 lower. Choice to 54.00; Good 50.00-53.00; Medium 49.00 Down. Heifers Choice to 53.00; Good 48.00-52.00; Medium 47.00 Down. Cows Steady to \$1.00 lower. High Yield 43.00-46.00; Average 39.00-42.00; Big Middle 35.00-38.00; Fatty Herf. 33.00-36.00; Shelly 34.00 Down. Fat Bulls Steady prices. Good 44.00-46.00; Medium 40.00-43.00. Veal Calves Mostly steady prices. Choice 82.00-84.00; Good 75.00-81.00; Medium 60.00-74.00; Farm Hfrs. to 107.50; Farm Bulls to 92.00; Light & Weak 54.00 Down. Lambs Steady. Choice 44.00-46.50; Good 40.00-43.00; Medium 39.00.

STOCKER: Steers 300-550 lbs. Good run \$2.00 higher. Choice 60.00-70.00; Good 55.00-59.00; Medium 48.00-54.00; Culls 47.00 Down. Steers 600-850 lbs. Choice 56.00-60.00; Good 50.00-55.00; Medium 49.00 Down. Heifers (All Weights) Choice 45.00-49.00; Good 40.00-44.00; Medium 39.00 Down. Bulls Choice 53.00-63.00; Good 46.00-52.00; Medium 45.00 Down. Springing Heifers to 1010.00; Pigs, Hd. \$1.00 lower. 20-30 lbs. 10.00-22.00; 40-60 lbs. 23.00-28.00. Shoats by Lb. to 40.00 Steady prices. Slaughter Hogs Steady few prices lots at 47.00. 210-230 lbs. 43.00-45.00; 240-260 lbs. 43.75-46.00; 190-205 lbs. 42.00-44.00. Sows 300-600 lbs. 41.00-44.00; Thin Sows 35.00-40.00.

Shenandoah Valley Livestock

Harrisonburg, Va.

Saturday, Nov. 7

Report supplied by auction

STOCKER, FEEDER, AND SLAUGHTER CATTLE: Good

Light Steer Calves 62.00-67.00; Medium 58.00-61.75; Plain 57.00 and down; Good Heavy Steers 59.00-63.50; Medium 54.00-58.75; Plain 53.00 and down; Holstein Steers 49.75 and down; Good Light Heifer Calves 45.00-50.00; Medium 40.00-44.75; Plain 39.00 and down; Good Heavy Heifers 44.00-49.75; Medium 40.00-43.75; Plain 39.00 and down; Slaughter Cows 37.00-43.00; Utilities 31.75-36.75; Cutters & Canners 31.50 and down; Milk & Stock Cows 44.00 and down; Stock Bulls 51.50 and down; Slaughter Bulls 49.00 and down.

CALVES: Veal Calves 88.00 and down; Baby Calves 75.00 and down.

SHEEP & LAMBS: Choice Blue O 48.00; Good Red O 45.00; Feeder Lambs 40.00 and down; Slaughter Ewes 13.00 and down; Stock Ewes 39.00.

HOGS: Top 44.50; Heavy 42.50; Sows 41.50.

Lancaster Feeder Cattle

Friday, November 6

Report supplied by USDA

Today 524
Last Friday 737
Last Year 699

TREND: Compared to Thursday feeder steers firm to 1.00 higher, instances 2.00 higher; feeder heifers not fully tested; feeder bulls firm to 1.00 higher. Supply included about 165 head sold in lots of 4-15, balance sold in lots of three or less.

FEEDER STEERS: Medium Frame 1: Couple lots 530-535 lbs. 60.00-62.00; few 670-970 lbs. 59.00-59.50; one lot 910 lbs. 57.00. Large Frame 1: One lot 540 lbs. 61.50 and one lot 745 lbs. 59.75. Medium Frame 1-2: One lot 340 lbs. 55.00; one lot 690 lbs. 54.50 and one lot 1030 lbs. 54.00. Large Frame 2: Couple lots 375-470 lbs. 42.00-44.50 and one lot 700 lbs. Holsteins 43.00.

FEEDER HEIFERS: Medium Frame 1-2: Couple lots 495-555 lbs. 43.10-43.50.

FEEDER BULLS: Medium Frame 1: Couple lots 505-560 lbs. 51.25-52.50. Large Frame 1: One lot 490 lbs. 57.00. Small and Medium Frame 1: One lot 475 lbs. 51.75.

Joliet Cattle

Thursday, November 12

CATTLE: Friday through Wednesday's salable receipts 4,050; 5 days last week 4,560; same period a year ago 5,350. Trading moderate on Monday; active on Wednesday. Slaughter steers ended the week 75 to 1.50 higher than Wednesday of last week. Slaughter heifers ended the week steady to 50 higher. Cows closed the week steady.

SLAUGHTER STEERS: Mixed High Choice and Prime 3-4, few 5, 1150-1350# 59.00-59.75 Monday; 60.50-61.00, load 61.50 Wednesday; YG 4-5 1250-1350# 57.50-58.25 Monday; 59.50 Wednesday. Choice 2-4 1050-1300# 58.00-59.00 Monday; 59.00-61.00, mostly 59.50-60.50 Wednesday. Mixed Good and Choice 2-3 900-1100# 57.00-58.00 Monday; 58.00-59.50 Wednesday.

SLAUGHTER HEIFERS: Mixed Choice and Prime 3-4 950-1100# 57.50-58.00, package 58.25, package 58.50 Monday; 58.50-58.75 Wednesday. Choice 2-4 900-1050# 56.00-57.50 Monday; 57.00-58.75 Wednesday. Mixed Good and Choice 2-3 800-1000# 55.00-56.00 Monday; 56.00-57.00 Wednesday.

COWS: Cutter and Utility 1-3 35.00-37.50.

Graded Yearling Steer Sale

Roanoke, Va.

Thursday, Nov. 5

1447 head sold.

STEERS: 400-500# Lg. & Med. 1 54.50-60.00; Small 1 54.00-56.25; Med. & Lg. 2 50.00-53.50. 500-600# Lg. & Med. 1 53.75-60.00 (*); Small 1 58.00-58.50; Med. & Lg. 2 53.75-58.00; 600-700# Lg. & Med. 1 55.75-59.00; Small 1 55.25-59.00; Med. & Lg. 2 55.25-58.25. 700-800# Lg. & Med. 1 55.00-59.50; Small 1 56.00-57.50; Med. & Lg. 2 55.25-56.50. 800-900# Lg. & Med. 1 55.00-58.25; Small 1 53.50-56.25; Med. & Lg. 2 55.50-55.75. 900-1000# Lg. & Med. 1 53.75-56.00. 1000-1100 lbs. Lg. & Med. 1 52.50-53.50. (*) mostly \$58.00-60.00.



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- ★ Easy to get to
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- ★ Outstanding quality
- ★ Quick service
- ★ No tagging charge
- ★ No shipped pigs

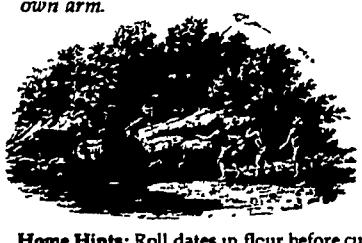
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NOV. 20
1:30 P.M.
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Livestock market and auction news

**THE OLD
FARMER'S
ALMANAC**

NOV. 16-22, 1981
From dismal to abysmal.

Order your Thanksgiving turkey now Sam Rayburn died Nov 16, 1961 Last quarter of the moon Nov 18 (Wed) Average length of days for the week 9 hours, 38 minutes Mickey Mouse first drawn Nov. 18, 1928 Pony Express operations ended Nov 20, 1861 The best place to find a helping hand is at the end of your own arm.



Ask the Old Farmer: An old will executed in Rhode Island gave a "flock bed" to one son. Just what did he get? YG, Greenwich, Conn. Not all old beds were stuffed with feathers Some were stuffed with "flock" which was odds and ends of wool combings, lint, and so on Not a fancy article

Home Hints: Roll dates in flour before cutting and they won't stick together or cling to the knife

OLD FARMER'S WEATHER FORECAST

New England: Mild, then cold with snow inland, heavy rain at end
Greater New York-New Jersey: Sprinkles and colder temperatures through midweek, then rain and mulder
Middle Atlantic Coastal: Warm, becoming cooler with showers, rain near end and warm
Piedmont & Southeast Coastal: Warm, then turns cool and partly cloudy, then showers and warmer
Florida: Showers and warm temperatures, midweek on is sunny and hot

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Central U.S. Carlot

Wednesday, November 11
Report supplied by USDA

Compared to Tuesday's 4:00 report: Steer and heifer beef mostly steady. Demand and trading light to moderate. Supplies moderate. Sales reported on 32 loads of steer and heifer beef.

STEER BEEF
14½ Loads
FOB Omaha Basis
Choice 3: 600-900 lbs. 94.00, steady.
Choice 4: 600-900 lbs. 83.00, mostly steady.
Good 2-3: 600-900 lbs. 92.00, mostly steady.

HEIFER BEEF
17½ Loads
FOB Omaha Basis
Choice 3: 550-700 lbs. 92.00, steady.
Prime 3: 500-800 lbs. 94.00.
Choice 4: 500-700 lbs. 82.00, mostly steady.
Good 2-3: 550-700 lbs. 88.00-91.00, mostly 90.00, mostly steady.

PRIMAL BEEF CUTS
6 Loads
FOB Omaha Basis
HINDS (S): 145-190 lbs. 100.00-101.00.
HINDS (H): 120-170 lbs. 101.00.
FORES: 130-210 lbs. 84.00.
BONELESS PROCESSING BEEF/BEEF TRIMMINGS
5 Loads
FOB Omaha Basis
90% chem lean fresh 108.00.
* NOTE: This will be the only Central U.S. Carlot Beef Report issued today due to the holiday schedule. Afternoon trading will not be reported by the U.S.D.A.

Compared to Tuesday's 4:00 report: Fresh pork loins not fully established, few sales steady to 2.25 lower. Picnics 4-8 lbs. .25 higher. Fresh hams 14-20 lbs. steady to 1.50 lower in limited test. Sdls bellies mostly steady to 1.50

lower. Trading slow; demand light. Sales reported on 41 loads plus 9 loads of trimmings and variety meats.

FRESH PORK CUTS
LOINS: 14-17 lbs. 92.25; 17-22 lbs. 84.75-86.75, .25-2.25 lower.
PICNICS: 4-8 lbs. 52.25, .25 higher.
SKINNED HAMS: 14-17 lbs. 88.00 steady; 17-20 lbs. 84.00, 1.50 lower.
BELLIES, SDLS: 12-14 lbs. 58.50-61.25, bulk 58.50, steady-1.50 lwr.; 14-16 lbs. 58.50-61.25, bulk 58.50, steady-1.50 lwr.; 16-18 lbs. 57.00-58.00, steady; 18-20 lbs. 53.50-54.00, steady; 20-25 lbs. 52.00, steady.
BNLS CT BUTT: 1.5-3 lbs. 128.50 und. wrap.

VARIETY MEATS
SKINNED JOWLS: 35.00 frozen.
PORK TRIMMINGS
BONELESS PROCESSING PORK (Chemical Lean)
72% lean trimmings fresh 72.00-72.75.
72% bnl picnics fresh 76.00.
88% blade meat frozen 93.00.
* NOTE: This will be the only Central U.S. Carlot Pork Report issued today due to holiday schedule. Afternoon trading will not be reported by the U.S.D.A.

New Holland Horse

Monday, Nov. 9
New Holland Sales Stables
Report supplied by auction

Reported receipts of 274 head of horses, mules, and ponies. Market: lower.

Better horses 475.00-700.00;
Driving horses 275.00-1025.00;
Riding horses 300.00-425.00;
Lightweight killers 275.00-375.00;
Heavyweight killers 425.00-530.00;
Mares 25.00-90.00; Colts 15.00-30.00; Geldings 25.00-90.00; Larger ponies 125.00-260.00.

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Dewart Livestock Auction
Dewart, PA

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pointing & Water-
proofing

New Wilmington Auction

Monday, November 9
Report supplied by PDA

CATTLE 282. Compared with last Monday's market, slaughter cows mostly \$2 higher. Choice slaughter steers, individual's 58.00 & 61.50, few Good 53.25-56.75, few Standard 50-52.25. Individual Choice slaughter heifer 56.50, few Good 45.00-49, Standard 40.00-45. Utility & Commercial slaughter cows 40.50-44.50, few 45.25-50.25, Commercial 4-5, 35.00-42, Cutters 37-41.75, Canner & Low Cutters 28.00-37, Shells down to 20. Yield Grade No. 1, 1170-1830 lbs. slaughter bulls 46.00-50, #2, 865-1725 lbs. 40-45.25. Few Medium Frame #1, 350-475 lbs. feeder steers 40.00-50, few Large Frame 32, 570-700 lbs. 35-38.50. Few Medium & Large Frame #1, 300-380 lbs. feeder heifers 44.00-55, few Medium #2, 440-770 lbs. 32.00-41.

CALVES 337. Vealers steady to weak. Couple Prime vealers at 109.00, Choice 92.00-98, Good 79.00-93, Standard & Good 90-120 lbs. 40-57.50, 65-85 lbs. 25.00-40, Utility 50-70 lbs. 14.00-25. Farm Calves: Hol. Bulls 95-135 lbs. 57.50-84. Hol. Heifers 90-125 lbs. 45.00-75.

HOGS 477. Barrows and gilts steady. US No. 1-2 210-250 lbs. barrows and gilts 43.50-44, No. 1-3 2-250 lbs. 42.50-43.50, few No. 2-3 220-260 lbs. 40.00-42, No. 1-3 175-195 lbs. 38.25-42.10. Sows strong to \$1 higher. US No. 1-3 280-670 lbs. sows 40-47.50. Boars 25.00-33.

FEEDER PIGS 62. US No. 1-3 20-35 lbs. feeder pigs 11.00-23 per head, few No. 1-3 45-55 lbs. 25.00-28 per head.

SHEEP 76. Choice 75-95 lbs. woolled slaughter lambs 48.00-58,

few 50-65 lbs. at 67.00, Good 65-95 lbs. 38.00-55. Slaughter ewes 8.00-23.00.

Eighty-Four Auction

Monday, November 9
Report supplied by PDA

CATTLE 396. Supply included 154 head feeder cattle. Compared with last Monday's market; one Choice slaughter steer at 57.00, Good 49.00-55.50, Standard & Good 45.00-49.00. Few Good & Choice slaughter heifers 40.25-45.50. Utility & Commercial slaughter cows 39.00-43.50, Commercial No. 4-5 36.50-40.00, Cutters 35.00-39.00, few 40.75, Canner & Low Cutter 32.50-38.75, Shells down to 25.00. Two Good slaughter bullocks 48.00 and 50.50, few Standard 45.00-49.00. Few Yield Grade #1 1250-2270 lbs. slaughter bulls 47.75-51.75, one at 52.50; few yield grade #2 1500-1750 lbs. 47.75-49.75. Medium Frame #1 300-800 lbs. feeder steers 51.00-53.50, few Large Farm #2 670-900 lbs. 41.75-47.50; Medium Frame #1 350-650 lbs. feeder heifers 42.50-45.75, Medium Frame #2 300-650 lbs. 39.00-43.75, few Large Frame #2 500-700 lbs. 40.00-44.00; Medium Frame #2 400-850 lbs. feeder bulls 41.00-43.50, few 46.25.

CALVES 354. Choice vealers 85.00-96.00, good 55.00-87.00, Standard & Good 110-130 lbs. 56.50-70.00, 90-110 lbs. 52.50-57.50, 65-90 lbs. 50.00-54.00, few Utility 55-90 lbs. 30.00-45.00. Farm calves, holstein bulls 85-135 lbs. 80.00-99.00, few 102.00; few holstein heifers 85-110 lbs. 65.00-90.00, few 110-130 lbs. 100.00-112.50; slaughter calves, grading Good & Choice 210-325 lbs. 43.00-58.00, few 68.00.

HOGS 25. US No. 1-3 165-175 lbs. barrows & gilts 42.00-43.75. Few US

No. 1-3 300-500 lbs. sows 38.00-44.50. Few Boars 32.00-34.50.

FEEDER PIGS 2. Lot US No. 1-3 40 lbs. feeder pigs 18.00 per head.
SHEEP 151. Choice 85-114 lbs. woolled slaughter lambs 44.00-45.50, Good & Choice 80-85 lbs. 43.50-47.00, few Utility & Good 60 lbs. feeders at 30.00. Few slaughter sheep 15.00-20.00.

G&M Livestock

Monday, November 9
Duncansville, Pa.
Report supplied by auction

Compared to last week market reports steers-steady, cows-strong, hogs-higher.

DAIRY COWS: 450.00-1070.00.
STEERS: High Choice and Prime 60.00-64.10; Good to Choice 54.00-60.00; Standard to Good 48.00-54.00; Utility 42.00-48.00.

HEIFERS: High Choice and Prime 58.00-62.25; Good to Choice 50.00-58.00; Standard 46.00-50.00; Utility 38.00-46.00.

FEEDERSTEERS: Standard to Good 300-500 lbs. 39.00-54.00.

BULLS: 1100-1768 lbs. 50.00-59.75; 900-1100 lbs. 40.00-50.00.

COWS: High Choice Prime 42.00-44.00, Individual 55.50; Good 40.00-42.00; Utility 38.00-40.00; Cutters 34.00-38.00; Canners 28.00-34.00.

CALVES: High Choice 85.00-96.00; Good to Choice 70.00-85.00; Standard to Good 50.00-70.00; Utility down to 35.00.

FARM CALVES: Hol. Bulls 75.00-104.00; Hol. Heifers 90.00-127.00.

FEEDER PIGS: 15-25 lbs. 10.00-20.00; 25-50 lbs. 20.00-29.00.

HOGS: 200-240 lbs. 43.50-46.85; 170-300 lbs. 40.00-45.25.

SOWS: 40.00-45.75.

BOARS: 33.00-36.00.
LAMBS: 40.50-50.50.
GOATS: 27.00-40.00.

FEEDER PIGS FOR SALE

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Mount Joy, Pa. 17552

REGISTERED HOLSTEIN BULLS

WHIRLHILL KINGPIN, born 6/27/80;
Dam-Standout Job GP 82 2-4, 365, 19,473,
786, 4.0. GrDam Round Oak Rag Apple
Elevation VG 88, 4-4, 342, 25,132, 931,
3.7; 5-4, 302, 25,569, 954, 3.7; 6-4, 365,
27,027, 1,031, 3.8.

BOOTMAKER, born 6/6/80. Dam-Milu Betty
Ivanhoe Chief GP 81.

S-W-D VALIANT, born 3/31/81. Dam-Skagvale
Startrek EX90. GrDam-Paclamar Citation M
(VG).

AUSETS FOND MATT, born 5/24/81. Dam-
Round Oak Rag Apple Elevation VG 88. 2-3, 365,
23,481, 813, 3.4. GrDam-Whirlhill Kingpin GP
83. 6-9, 365, 26,868, 1,089, 4.1.

STRAIGHT-PINE ELEVATION PETE, born
11/5/80. Dam-Long-Haven Payday VG 86, 4-8,
323, 19,208, 724, 3.7.

STRAIGHT-PINE ELEVATION PETE, born
5/13/80. Dam-Paclamar Christmas 87 pts. at 4
years old. 4-6, 305, 15,458, 735, 4.2. GrDam-
Seiling Rockman EX 90. 5-3, 288, 14,602, 666,
4.6; 6-2, 302, 18,578, 819, 4.4; 8-2, 332, 17,614, 789,
4.4.

KINGPIN (Grandson) born 11/17/79. Dam-
Naches Hoogland Flashy Boy GP 81, 6-4, 305,
21,284, 943, 4.0.

Transportation and financing available.
STEVE KELLER **BOB KELLER**
717-653-2284 717-653-1523
Office: 717-653-4851

Livestock market and auction news

St. Louis Cattle

Thursday, November 12
Report supplied by USDA

Receipts this week: 5,200;
Week Ago: 4,500;
Year Ago: 5,000;
Compared last weeks close, slaughter steers and heifers unevenly 1.00-2.00 lower. Cows 1.00-2.00 higher. Bulls fully steady. Slaughter supply mainly Choice and Prime 2-4 1050-1150 lbs. steers, around 40% heifers and 10% heifers.

SLAUGHTER STEERS: Mixed Choice and Prime 2-4 1050-1250 lbs. 57.00-59.00 early, not tested late; few lots 3-4 1125-1250 lbs. 56.00-56.50. Choice 2-4 950-1250 lbs. 56.00-58.00, most closing sales 56.00-57.50; few lots 2-3 950-1100 lbs. 57.75-58.00. Mixed Good and Choice 2-4 900-1150 lbs. 55.50-57.00. Good 2-3 900-1175 lbs. 54.50-56.00. Mostly Good 2-3 1050-1250 lbs. holsteins 54.00-55.00.

SLAUGHTER HEIFERS: Couple loads High-Choice and Prime 2-4 950-1055 lbs. 56.50-56.76, part load 1072 lbs. 57.00. Mixed Choice and Prime 2-4 875-1075 lbs. 55.50-56.25; part load 3 to mostly 4's around 975 lbs. 53.00. Choice 2-4 800-1050 lbs. 54.50-55.50. Mixed Good and Choice 2-3 750-1000 lbs. 53.50-55.50. Good 2-3 700-950 lbs. 51.00-54.00.

COWS: Closing week sales: Utility and Commercial 2-4 36.00-39.00. Boning Utility 1-2 39.00-40.00. Cutter 1-2 34.00-38.00. Canner and Low Cutter 1-2 30.00-34.00.

BULLS: Yield Grade 1-2 1050-1900 lbs. 43.00-48.50, mostly 43.00-48.00. Individual Yield Grade 1 1745 lbs. 49.75.

FEEDERS: (Including around 2,000 at the regular Thursday auction.) Feeder steers 1.00-2.00 higher. Feeder heifers firm to 2.00 higher, advance on weights under 500#. Attendance fairly large and demand good for bulk or represented grades and weights. Supply mainly Medium Frame 1

and mixed 1-2 400-800# steers and 300-600# heifers.

FEEDER STEERS: Medium Frame 1: 350-500# 61.50-66.00; 500-600# 61.00-63.00; 600-700# 62.00-63.75; 700-875# 61.25-62.75. Medium Frame 1-2 and some Small Frame 1: 325-575# 55.00-60.25, mostly 58.00-59.00. Large Frame 2 Holsteins: several lots 475-990# 48.00-52.00, 49.00-51.00.

FEEDER HEIFERS: Medium Frame 1-2. 300-500# 51.50-56.25, mostly 53.00-55.00; 500-600# 50.00-55.50; few lots 625-725# 50.25-51.50. Medium Frame 1-2 and few lots small lots: 300-500# 45.00-50.00, mostly 47.00-49.00.

STOCK COWS: Lot Medium Large Frame 1-2 840# middle-aged 37.25.

Middleburg Auction

Middleburg, Pa.

Tuesday, November 10

Report supplied by PDA

CATTLE 341. Compared with last Tuesday's market, slaughter cows steady to \$1 higher. Choice 2-4, 1075-1350 lbs. slaughter steers 59.60-64.10, Good 56.50-59.50, Standard 50.25-55. Few Choice slaughter heifers 58.00-62, few Good 53.75-58.75. Utility and Commercial slaughter cows 36.75-41.60, few 45.10, Cutters 33.25-37.85, Canner and Low Cutters 27.10-33.25. Good slaughter bullocks 53.50-58.60, one 59.75. Yield Grade #1, 1000-1875 lbs. slaughter bulls 46.00-56.75. Large and Medium Frame #1, 400-800 lbs feeder steers and bulls 48.00-54, couple 60.50.

CALVES 165. Choice vealers 82.00-88, individual 95.00, few Good 65.00-75, Standard and Good 70-100 lbs. 45.00-53. Farm Calves: Hol. Bulls 85-130 lbs. 55.00-85, few 99.00; few Hol. Heifers 80-115 lbs. 65-112.50.

HOGS 340. (Mon. 11-9-81) Barrows and gilts steady to 25 cents lower. US No. 1-2 210-240 lbs. barrows and gilts 46-47.25, No. 1-3 190-250 lbs. 45.00-46, No. 2-3 190-270

lbs. 42.00-45. US No. 1-3 300-600 lbs. sows 40.00-43, few 47.50, Utility 220-400 lbs. 32.50-40.

HOGS 51. (11-10-81). Few Lots US No. 1-3 240-265 lbs. barrows and gilts 45.25-47.25. Boars 36.00-38.

FEEDER PIGS 286. US No. 1-3 15-20 lbs. feeder pigs 12.50-18 per head, No. 1-3 20-35 lbs. 16.50-28, No. 1-3 35-50 lbs. 24.00-31, No. 1-3 55-75 lbs. 30.50-35.50 per head; No. 1-3 110-160 lbs. 40.50-48 per hundredweight.

SHEEP 19. Choice 85-110 lbs. woolled slaughter lambs 49.00-54.50, one 57.00; Good 65-85 lbs. 42-47.50.

GOATS 12. \$21-\$41 per head.

Chambersburg Auction

Chambersburg, PA

Thursday, November 12

Report supplied by PDA

CATTLE 410. Compared with last week's market: SL cows 25-1.50 higher. SL steers few Choice No. 2-3 1050-1150 lbs. 62.50-63.85, Good 56.25-59.50; Standard 50.00-55.50. SL heifers: few Good 53.00-57.25; few Standard 48.50-53.50. SL cows: Utility & Commercial 38.00-43.25; Cutters 36.50-40.25; Canner & L. Cutter 32.50-37.00; Shells down to 27.00. SL bulls: Yield Grade No. 1, 1100-1550 lbs. 45.00-52.75.

FEEDER CATTLE: Steers Large Frame No. 2, 300-800 lb. 45.50-55.50. Heifers, few Medium Frame No. 1, 300-450 lb. 41.50-47.50.

CALVES: 553. Vealers mostly steady to 2.00 higher. Choice 81.00-89.00; Good 65.00-80.00, 90-110 lbs. 57.00-61.00; 70-95 lbs. 51.00-57.50. Utility 50-85 lbs. 38.00-52.00.

FARM CALVES: Hol. Bulls 85-130 lbs. 56.00-85.00; Hol. Heifers 75-125 lbs. 65.00-115.00.

HOGS: 70. Lot No. 1-3 237 lbs. at 43.35. Sows US No. 1-3 300-550 lbs. 39.50-42.75. Few Boars 34.50-34.75.

FEEDER PIGS: 90. Few lots US No. 1-3 20-40 lbs. 14.00-22.00 per head.

SHEEP: 66. Good & Choice 60-95 lbs. 38.00-46.00. Few SL ewes 13.00-26.00.

Indiana Auction

Thursday, November 12

CATTLE 131. Compared with last week's market: SL steers: (few) Good 52.50-54.75; (few) Standard 44.00-49.50. SL cows: (few) Utility & Commercial 39.00-42.00; Cutters 36.25-40.75; Canner & L. Cutter 29.25-35.75; Shells down to 20.50. SL bulls: (few) Yield Grade No. 1, 1020-1880 lbs. 46.75-50.00; (few) Yield Grade No. 2, 1260-1450 lbs. 40.00-44.25.

FEEDER CATTLE: Steers, (few) Medium & Large Frame No. 1, 340-875 lbs. 45.00-53.25; (few) Large Frame No. 2, 700-850 lbs. 35.00-44.00. Heifers, Medium & Large No. 1 300-650 lbs. 41.25-48.00. Medium Frame No. 2 390-715 lbs. 33.50-38.25. Bulls (few) Medium & Large Frame No. 1, 410-700 lbs. 41.00-50.25.

CALVES: 118. Vealers (few) Choice 74.00-83.00; (few) Good 55.00-63.00 90-120 lbs. 41.00-57.00; 65-85 lbs. 30.00-42.00; (few) Utility 50-90 lbs. 20.00-31.00.

FARM CALVES: Hol. Bulls 90-125 lbs. 56.00-90.00; (few) Hol. Heifers 80-150 lbs. 64.00-89.00. Beef Cross Bulls & Heifers 60-100 lbs. 49.00-65.00.

HOGS: 74. Barrows US No. 1-2 220-240 lbs. 47.00-48.25 (few) No. 1-3 210-235 lbs. 46.00-47.00; (few) No. 2-3 240-270 lbs. 44.00-45.00; lot No. 1-3 145-180 lbs. 35.50-43.75 Sows US No. 1-3 290-635 lbs. 40.00-45.00.

FEEDER PIGS 16. (few) US No. 1-3 30-35 lbs. 16.00-17.00 per head; (few) No. 1-3 50-60 lbs. 25.00-26.00.

SHEEP: 22. Choice 80-95 lbs. 43.00-46.75; lot Good 70 lbs. at 30.00.

Weekly Summary

Friday, November 13

Report supplied by PDA

CATTLE: 4820. Compared with 4132 head last week, and 3869 head a year ago. Compared with last week's market: Slaughter steers steady to .50 higher, spots to 1.00 higher; SL heifers mostly 1.00 lower; SL cows mostly 1.00-2.00 higher; SL bullocks uneven; SL bulls steady to strong. SL steers: High Choice & Prime No. 3-4, 62.00-63.85, few 65.50; Choice No. 2-4 59.50-64.10, Good 55.00-59.50; Standard 48.00-55.50. SL heifers: Choice 57.00-62.50; Good 52.00-57.50; few Standard 48.00-53.00. SL cows: Utility & Commercial 39.00-43.50 few 44.50. Cutters 35.00-41.00; Canner & L. Cutter 29.00-37.00; Shells down to 25.00. SL bullocks: Choice 59.00-63.00; Good 53.00-59.00; few Standard 45.00-52.00. SL bulls: Yield Grade No. 1, 1000-1850 lbs. 46.00-56.75; Yield Grade No. 2, 900-1450 lbs. 40.00-49.50.

FEEDER CATTLE: Steers, Medium Frame No. 1, 300-800 lbs.

40.00-55.50. Heifers, Medium Frame No. 1, 300-650 lbs. 42.00-55.00.

CALVES: 3958. Compared with 3538 head last week and 2559 head a year ago. Vealers uneven, mostly steady to 5.00 higher. Few Prime 90.00-112.00; Choice 85.00-98.00; Good 65.00-85.00, 90-120 lb. 45.00-61.00; 65-90 lbs. 40.00-57.00; Utility 50-110 lbs. 20.00-40.00.

FARM CALVES: Hol. Bulls 80-125 lbs. 55.00-115.00, mostly 65.00-90.00; Hol. Heifers 80-150 lbs. 65.00-105.00, few 155.00.

HOGS: 5435. Compared with 5748 head last week and 6971 head a year ago. Barrows and gilts highly uneven, extremes 2.00 higher to .50 lower. US No. 1-2 200-240 lbs. 46.00-47.25 No. 1-3 200-250 lbs. 45.00-46.00; No. 2-3 190-250 lbs. 42.00-45.00; No. 1-3 140-190 lbs. 40.00-43.75; Sows US No. 1-3 300-685 lbs. 40.00-44.50, few 47.50. Boars 29.00-38.50.

FEEDER PIGS: 750. Compared with 1179 head last week and 1415 a year ago. Strong to 4.00 higher. US No. 1-3 20-35 lbs. 16.50-24.50 per head; No. 1-3 35-50 lbs. 24.00-31.00; No. 1-3 50-75 lbs. 30.00-35.50.

GRADED FEEDER PIGS: 3636. Compared with 1926 head last week and 3875 head a year ago. All sales by CWT. Feeder Pigs highly uneven, extremes 7.00 higher to 5.00 lower. US No. 1-2 25-40 lbs. 79.00-106.00, 40-50 lbs. 70.00-99.00, few 110.00, 50-60 lbs. 62.00-81.00, 60-75 lbs. 57.00-74.00; US No. 2-3 30-40 lbs. 71.00-94.00, 40-50 lbs. 63.00-76.00, 50-75 lbs. 45.00-73.00.

SHEEP: 567. Compared with 609 head last week and 528 head a year ago. Steady to 3.00 higher Choice 60-120 lbs. 45.00-58.00, few 68.00; Good 60-110 lbs. 42.00-47.50 few down to 35.00. SL ewes: 13.00-24.00.



I'M NOT
LION...

The Classified
Livestock
Section
Has Beastly
Selections!



They have to be tough
to make it in one piece.
Calcite Crystals make them tough.

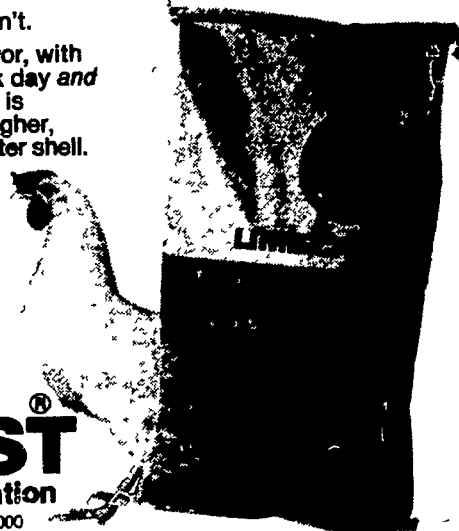
It's a long way to the carton. Some make it; some don't.

But there's a smart way to stack the odds in your favor, with LIME CREST® Calcite Crystals. Calcite Crystals work day and night. They release calcium slowly so when the layer is resting the crystals are still at work. The result: a tougher, stronger egg shell. And they usually cost less than oyster shell.

Calcite Crystals are conveniently packaged in 50-lb. bags. Convenient to store, and to handle.

Calcite Crystals help laying hens and turkeys produce strong-shelled eggs, minimizing cracks and checks.

LIME CREST Calcite Crystals... making tougher eggs for a higher packout.

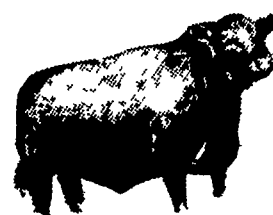


LEESPORT MARKET & AUCTION, INC.

North end of Leesport, PA

Turn East off Route 61

"WHERE FRIENDS MEET"



BERKS COUNTY'S ONLY WEEKLY
CATTLE & SWINE AUCTION —
WEDNESDAY AT 1 P.M.

FARMER'S MARKET Every Wednesday,
12 NOON TO 9 P.M.



Garden Fresh Fruits & Vegetables - Bakery Fresh Cakes,
Pies and Buns - Butcher Fresh Meats & Cheese - Sporting
Goods - Clothing - Furniture - Jewelry - Used Items &
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LEROY WEIST & JOHN WEIST, MGRS.



Off the Sounding Board

By Sheila Miller, Editor

Going out of business?

Listen to the radio, pick up the local newspaper, stay tuned for the 60-second television commercial and what do you hear and read? Businesses, some long established in the community, are closing their doors and "going out of business."

Are farmers going out of business along with the rest of these floundering enterprises?

When you think about an established business, farming ranks close to the top of the list in Pennsylvania's history. With our Commonwealth marking its 300th year, it is apparent that, ever since the early days of pioneers and Indians, farmers have been a vital, economic resource in the Keystone state.

But, after three centuries, economists and the general public are beginning to wonder how much longer farmers can hang on. What are the chances of survival for a group of hard-working, land-loving country folks who, down through the years, have taken their fruits and vegetables, meat and chicken, from door to door — accepting what people would offer them and feeling lucky with their pocket full of coins?

Things have changed in agriculture over the years. Farming has become a big business, with greater costs and even greater risks than in the days of our farming ancestors. But one thing has remained constant — farmers still continue to take what folks will give them for their products.

Having to settle for meager financial rewards from the fruits of their labor was offset in the past by research providing higher yielding hybrids, better producing cows, more efficient equipment and farming practices. All these things helped to cut down on costs so that the margin for profit was still there despite the low returns on grain, milk, meat and other commodities. As a result, Americans were able to afford the luxuries life readily made available since life-sustaining food was cheap.

The 1980s, however, are bringing farmers and their city cousins face to face with a grim reality — food is going up in price, along with fertilizer, equipment, and seed stock needed to produce it.

The question of whether farmers are going to be the next to advertise "final clearance" sales depends on marketing. Can farmers organize to insure a market for their goods? Will they be willing to learn the business strategies their city cousins mastered and played in the profit-making game for decades?

American Farm Bureau Vice President Cecil Miller stated during this week's Pennsylvania Farmers' Association Annual Meeting that "a really good marketer, a really informed person capitalizing on current market situations, using all the trading tools like hedging, for-

ward selling, better handling of money, can stay in business and make some money."

Miller pointed out that, under present circumstances, the farmer's "best bet for income improvement lies with strong consumer demand" in the U.S. and abroad. AFBF and PFA have taken the initiative to explore foreign market potentials in places like China, Japan, Mexico, and South America.

But sound marketing means staying abreast of what consumers are buying. Farmers need to change with the market demand to assure themselves of buyers — not trying to push over-fattened cattle on a diet conscious society.

PFA President Keith Eckel offered this warning. "Farmers need to make decisions and manage their own marketing efforts — or someone else will do it for them." Leaving marketing in the hands of government or large corporations would rob the farmers of their trump card for securing financial control in the market place.

"The farmer who continues to ignore marketing is going out of business," predicted Eckel. "A farmer's net income is influenced by too many things that don't happen on the farm."

This influence, created by legislation enacted by a majority of nonfarm government representatives, is often 'influenced' by city cousins who may respect the farmer and the rural way of life but who are well aware of the need for self-preservation.

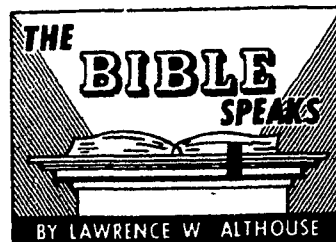
As commodity adviser David Sauder describes the situation, "The city becomes a parasite living off the rural country. When the economic system gets out of balance and there is no longer parity, that's when the city has devoured its country host. This has happened at the end of every civilization."

"If time lasts, we are now in the end of a 510-year cycle for western civilization. We have some very critical choices which must be made. It's either radical change or revolution and poverty. It will be one or the other, and it will come within the next 20 years. You as a farmer will have something to say about that."

Sauder pointed out that the country is the "lifeline" to the city, but it's being exploited. City business people are cashing in on commodity markets, "trading paper commodities which represent real commodities produced in the country. Meanwhile the real producers of commodities in the country go broke working with their hands. Country folks are forced to buy everything they need at retail, while selling all they produce at wholesale."

Will organized marketing be the salvation of the family farm?

There are a lot of people involved in agriculture who are staking their futures on it.



ARE YOU CHARISMATIC? November 15, 1981

Background Scripture:
1 Corinthians 12 through 13:
Devotional Reading:
Romans 12:1-13.

Knowing of my interest and involvement in the ministry of spiritual healing, the newspaper reporter said, "Are you a charismatic?"

My first impulse was to reply in the negative. I realized that he assumed that only members of the "charismatic movement" are interested in the healing ministry of the church—a wrong but understandable assumption. But I decided the time had come for someone to try to put the controversy over the "gifts of the Spirit" in a different perspective. Except by the Holy Spirit

"The answer to your question is both 'yes' and 'no,'" I replied. "I am charismatic and, if you're a Christian so are you, but that doesn't mean that we are necessarily part of what is known today as the charismatic movement." I went on to say that, while I have no quarrel with that movement, I have not been attracted to become part of it.

My quarrel, I said, is with those who use the issue of the gifts of the Holy Spirit to divide and antagonize Christians. The Holy

Spirit is not the special or unique possession of one particular group of Christians, nor are the gifts of the Spirit limited to people following one Christian lifestyle. All of us have the Holy Spirit within us and all of us are granted gifts by the Spirit, although we may not be aware of them or make use of them.

Today, however, it is customary for some Christians to insist that they alone "possess" the Holy Spirit and are endowed with the gifts of the Spirit. Even more arrogantly, some of these further hold that when the rest of us preach, teach or heal in Christ's name, we are endowed not by the Holy Spirit, but the devil. Remember that the same charge was made against Jesus (Matthew 12:24).

By the Same Spirit

Thus in 1 Corinthians 12, 13 and 14, Paul deals with the same problem. Some people in Corinth are claiming that they alone have the gifts of God's Spirit while others are empowered by the power of Satan. Paul says it plainly: "I want you to understand that no one speaking by the Spirit of God ever says 'Jesus be cursed!' and no one can say 'Jesus is Lord' except by the Holy Spirit. Now there are varieties of gifts, but the same Spirit; and there are varieties of service, but the same Lord" (1 Cor. 13:3,4).

Paul goes on to say that the gifts of the Spirit without love — love that is not jealous or boastful, love that does not insist on its own way — are worthless. Thus, if we have the Holy Spirit in us, we will be humble, not proud, loving of others, not contentious, and willing to acknowledge that all of God's children are gifted with the charisma of the one Spirit.

Farm Calendar



Today, Nov. 14
Central Pa. Ayrshire Club annual meeting, 1 p.m., home of Carl Sweinhart, Rt. 1, New Enterprise.

Monday, Nov. 16
Research for Small Farms Symposium, Beltsville, Md., through Wednesday.
Lebanon Farm-City legislative meeting, 8 a.m., Treadway Inn.
York energy meeting, 6:30 p.m., York County 4-H Center.

Tuesday, Nov. 17
Penn Hort ornamental meeting, 9 a.m.-4 p.m., Wicomico Civic Center, Salisbury, Md.
Dover Young Farmer class, 7:30 p.m., Dover High School ag room.
Ephrata Area Young Farmers monthly meeting, 7:45 p.m., Ephrata ag dept., topic: Rural

Clean Water Program.
Wednesday, Nov. 18
Delmarva poultry short course, 7:30 p.m., Georgetown Substation, Del.
HB 1483 Water Bill panel discussion, 8 p.m., New Garden Twp. Bldg., Rt. 41, Avondale, Chester County.
Lancaster Ag-Industry banquet, 7 p.m., Good 'n Plenty Restaurant.

Thursday, Nov. 19
Inter-State Milk Co-op annual meeting, Host Farm, continues Friday.
Lebanon Farm-City banquet, 6:30 p.m., Prescott Fire Hall.
Somerset County DHIA banquet, Berlin Community Bldg.

(Turn to Page A12)

NOW IS THE TIME

By Jay Irwin

Lancaster County Agriculture Agent
Phone 717-394-6851



To Exercise Dairy Cows

I know that many of our dairy farmers keep their milking cows confined to the stall barns much of the time. This is easy to do when you are short of labor during the winter months.

In order to have a healthy herd, the cows should be allowed outside to exercise daily unless severe weather conditions exist. The exercise will not only keep their feet and legs in better condition, but will permit the cows in heat to

be detected. This is often a problem when cows are kept confined too much of the time.

If the herd is turned out for 15 to 30 minutes each day, the time involved will be very worthwhile. You'll find very few days when the weather will interfere.

To Check Fire Extinguishers

This is the time of year that our barns and other buildings are filled to capacity with hay, straw, grain, and machinery. Make certain that fire extinguishers are mounted in

each building, including your home.

The first step is to have the extinguishers; the second step is to be sure they are in good working condition; the third step is to be sure that all members of the work force and family know where they are located and how to operate them. In many cases a good fire extinguisher can help control a fire until the fire company arrives. And finally, be sure they are checked

(Turn to Page A12)

HAY HAWS



"Good news! Our increase in profit has raised us to a new poverty level."

For every 100 bushels you
see this fall you can
see 3150 next spring.

The 2 to 4 weeks longer control of Dual
helps prevent harvest-time crop loss.

Ever seen a farmer who's
lost a crop because of a
late frost? Or a farmer who's
lost a crop because of a
late frost? Or a farmer who's
lost a crop because of a
late frost?

Dual lasts 2 to 4 weeks longer
than other corn-soybean herbicides. That's
extra weeks of control on barnyard
grass, yellow nutsedge and other grasses.
And you end up with Cleaner Corn
and soybeans at harvest.

We can show you test results that
prove Dual lasts longer, but the best proof is
down the road in a neighbor's field. Why
not ask him why he's using Dual again?
After all, the man who has used Dual is our
best salesman.

Dual, for control that lasts 2 to 4 weeks
longer.

Dual
6 ways better.

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CIBA-GEIGY

Now is the Time

(Continued from Page A10)

and filled with the proper chemical.

To Mulch Strawberries

Winter injury has been a problem in strawberries for a number of years. Crown injury can be reduced by applying mulch to protect them for the winter.

The best time for application is from mid-November to mid-December. The exact date depends on weather conditions. But a good rule of thumb is to apply mulch when the temperature begins to stay around 20 to 25 degrees. If it drops to 15 degrees or lower, unprotected strawberry crowns could be injured.

In any case, it's a good idea to mulch the plants after they've been exposed to a few good freezes. Mulching is a very good practice to insure a better crop next summer.

To Adopt Winter Driving Habits

The hazards of winter driving are many, and drivers should change their habits when roads become icy or snow covered. Speed should be reduced and more time allowed for braking the car or truck.

Winter tires should be mounted soon to give extra protection. Batteries should also be checked and kept in top condition. Be aware that cold weather puts extra stress on all parts of the car. Always be alert to recognize road conditions and drive accordingly.

USDA forecasts changes in grain trade

WASHINGTON, D.C. — Forecasts of tight grain supplies, high and widely fluctuating grain prices, and changes in market behavior in the eighties, if realized, could force adjustments in the exporting policies of the United States and other major grain exporters (Canada, Australia, and Argentina):

Domestic pressures for the United States to insulate, at least partially, its internal grain price from the world price will increase.

Grain exporters may be induced to cooperate more than they have in the past in their international and domestic agricultural policies, although the likelihood of their forming a cartel (like OPEC) is slight.

The Canadian and Australian marketing boards may see attractions in varying their traditional policies on marketing and stockholding.

Both exporters and importers may seek long-term contracts as

the former seek to guarantee market access and the latter to assure sufficient grain supplies to improve national diets.

Those conclusions are based on the USDA Economic Research Service report's assumption that the policies of the grain-trading countries will be predicated on political and short-term self-interest rather than on global concerns. The report outlines some likely courses of action by both exporters and importers in response to the current and forecast market conditions.

The forecasts that have been made of tight supplies and high prices contrast with the surpluses and depressed prices of the sixties and early seventies. Current trends suggest the world may be becoming more dependent on grain imports just when supplies will be more variable, when output may respond more slowly to increases in demand, and when additional supplies could be more costly to obtain.

The shift in the market is due chiefly to a surge in demand for grain over the last two decades, led by the communist countries and the developing countries. The producing countries initially handled the rise in demand by drawing down stocks and by expanding grain production onto land that had been set-aside or idled by government programs, especially in the United States.

By 1980, however, stocks were reduced and much of this land was again in production; further expansion is now limited either to less productive land or to land that would have to be diverted from other crops. Although technology and yields will probably continue to improve, an increase in prices

relative to costs will be required to sustain an upward trend in output.

Such a tight supply situation will not materialize in every year of the coming decade; grain availability will depend greatly on weather and crop yields and surpluses may well appear from time to time.

Clearly, lower stocks on average and a reduced capacity for an expansion in output will magnify the impact of widespread droughts on the market, resulting in greater instability in prices.

Most of the response to the more widely fluctuating prices will be borne by a constantly shrinking free market, which includes the domestic U.S. Market. The free market is likely to continue to shrink because of increasing domination of the market by state trading organizations and bilateral contracts, the chief concern of both being to obtain specific quantities of grain with relatively little regard to price. This segment of the market, therefore, is fairly inflexible in its response to price.

The United States, Canada, and Australia will find it increasingly difficult to achieve their policy objectives without some changes in both their domestic and international marketing arrangements.

Farm Calendar

(Continued from Page A10)

Friday, Nov. 20

Berks County Holstein Club annual meeting, 7 p.m., Fleetwood Grange.

Saturday, Nov. 21

Hunterdon County, N.J. annual Board of Ag meeting, 7 p.m.,

Quakertown Fire House.

Montgomery County DHIA annual meeting, 6:45 p.m., Christopher Dock School.

Lancaster County Farmers Association farm tours, 1-5 p.m. Continues Sunday.

OUR READERS WRITE, AND OTHER OPINIONS

No trespassing

Your editorial, "What's it worth to hunt?" (October 24, issue) was most interesting.

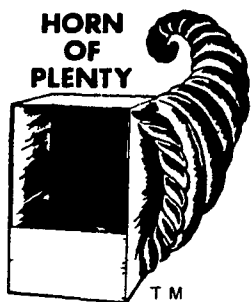
In Delaware, according to the Delaware Hunting and Trapping Guide, "It is unlawful to trespass without prior permission of the landowner with gun or dog." I gather from your editorial that this

is not the case in Pennsylvania.

In Delaware the onus is on the hunter. The landowner is not required to put up signs if he allows no hunting.

Sincerely

Ruth T. Kranz
(Mrs. William Kranz)



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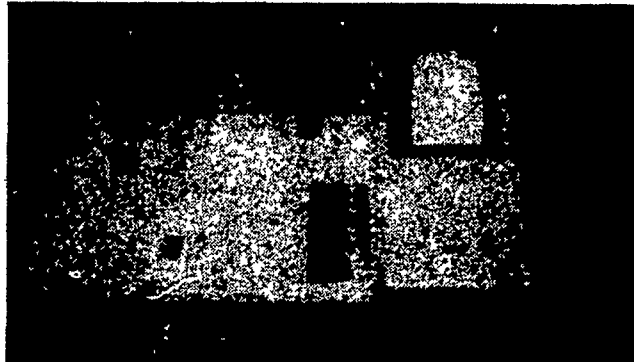
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Livestock market and auction news

Lebanon Valley Auction
Tuesday, November 10
Report supplied by PDA
CATTLE 176. Compared with

last Tuesday's market; few Choice slaughter steers 61.50-64.10, few Good 56.75-60.50, Standard 52.35-56.25, Utility & Low Standard 42.00-49.10. Couple Choice slaughter

heifers 56.00 and 61.50, few Good 52.75-56.00, couple Standard 40.00 and 43.60. Utility & Commercial slaughter cows 39.00-43.00, few 44.00, Cutters 35.75-39.50, few 41.50,

Canner & Low Cutter 30.00-35.75. Couple Yield Grade #1 1360 and 1700 lbs. slaughter bulls 47.00 and 54.75. Medium Frame #1 and #2 245-520 lbs. feeder heifers 46.50-59.00, Large Frame #2 and #3 291-383 lbs. holsteins 73.00-84.00.

CALVES 211. Couple Choice vealers 89.00 and 107.00, few Good 82.00-88.00, Standard & Good 65-115 lbs. 50.00-60.00, few Utility 60-115 lbs. 42.00-48.00. Farm calves, holstein bulls 80-125 lbs. 65.00-92.00, few down to 55.00; holstein heifers 65-135 lbs. 81.00-105.00, few 132.00,

few down to 53.00.

HOGS 204. US No. 1-2 200-250 lbs. barrows & gilts 46.00-47.00, lot 47.35, few No. 1-3 230-255 lbs. 45.75-46.75, few No. 1-3 135-170 lbs. 41.50-43.25. US No. 1-3 320-515 lbs. sows 38.00-40.50, few 43.50.

FEEDER PIGS 8. Lot US No. 1-3 25 lbs. feeder pigs 89.00 cwt., lot No. 1-3 107 lbs. 50.00 cwt.

SHEEP 27. Choice 60-105 lbs. woolled slaughter lambs 45.00-50.00, one at 56.00, couple Good 75 and 95 lbs. 40.00 and 45.00. Slaughter sheep 13.00-24.00.

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29 H3161 PRINT	+251	+2,062	- 04	+69	- 44
29 H2811 CHRIS	+179	+2,030	- 30	+26	+ 09
29 H2847 MONEY-MAKER	+179	+1,969	- 26	+29	+1 27
29 H2851 VALIANT	+240	+1,908	00	+69	+2 45
29 H3085 ELMER	+246	+1,892	+ 03	+73	+ 11
29 H2969 MARVIN	+200	+1,822	- 11	+48	+ 95

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Sheep producers fight fangs with fangs

WASHINGTON, D.C. — Guard dogs, the enforcers of the canine world, can also be a lamb's best friend. They're watchful and extremely protective of their charges — both sheep and cattle.

Although herding dogs have been popular for years, livestock guard dogs are just beginning to catch on in the U.S. They're part of a new program that may help solve an old problem, livestock losses from predator attacks.

For the past 3 years, researchers at USDA's Sheep Experiment Station in Dubois, Idaho, have been testing dogs' effectiveness in guarding sheep. According to the station's wildlife biologist, Jeff Green, most of their canine guardians have worked out very well. Green and his colleagues have already studied about 30 dogs, mostly of the Komondor and Great Pyrenees breeds, the only traditional livestock guarding dogs now commonly used in this country.

"The guard dog studies have been promising, but more research is definitely needed," Green says. The researchers hope to learn which canine breeds will best protect livestock and at what age the dogs become effective. Because of the diverse livestock operations in the U.S. (both sheep and cattle producers are now using guard dogs), researchers also need to determine which breeds suit what situation and how many dogs are needed in different operations.

Some breeds do better under certain conditions than others. According to Green, the large, shaggy-haired Komondor does well in fenced pastures, whereas the Great Pyrenees favor working on open rangeland. "However, dogs of either breed won't reach maturity until 2 years of age or more," Green says. "And even a puppy of these two recognized guarding breeds doesn't come with a guarantee that 2 years down the road it will be an effective guardian."

"Because of this variability, we see the dogs as one of many tools that can reduce predator attacks. A variety of methods used together

will probably be necessary to sufficiently cut livestock losses."

Serious losses have spurred producers to use new technologies and home-grown remedies to control predators. Trapping and electric fencing are common. Some ingenious ranchers have even put strobe lights and tape recordings of sirens among their sheep. The lights and sirens periodically go off, sending bewildered predators off to more tranquil surroundings, without seriously disturbing the placid sheep.

But while producers wait for foolproof control methods, livestock losses are adding up. One estimate, by the American Sheep Producers Council, indicates that more than 1 million sheep and many millions of dollars are lost each year to predators. According to the Council, losses can range anywhere from 2 to 20 percent of a producers flock every year. According to Kirby Cavett, of the Statistical Reporting Service's Wyoming office, a survey showed that producers in his state lost 195,000 sheep and lamb last year. Forty-seven percent of them were caused by predators.

Federal research on predator control has been stepped up in recent years, particularly since compound 1080, an effective but controversial poison, was banned in 1972. However, many producers contend that heavy losses to predators have continued, and that the poison is again needed. The National Woolgrowers Association and the National Cattlemen's Association have asked the Environmental Protection Agency to reconsider the ban on compound 1080.

Specifically, the producer associations petitioned the EPA to permit the use of a new device — a collar equipped with pouches containing compound 1080 — worn by lambs and calves. The collar would have no effect on the animal wearing it, but an attacker going for the sheep's throat would get a mouthful of poison. Tests on the collars are still underway at the Denver Wildlife Research Service

(part of the U.S. Fish and Wildlife Service).

"Predation is considered a serious economic issue for sheep and cattle ranchers," EPA administrator Anne M. Gorsuch says. "They have informed the agency that their losses for sheep, lambs, and calves killed by coyotes and other predators in 1979 alone totaled well in excess of \$100 million."

Gorsuch has asked for preliminary hearings that will probably examine a variety of uses of compound 1080. The outcome of these hearings (held in late July) may result in reopening the compound 1080 debate. Meanwhile, some environmentalists say that resuming use of chemicals to combat coyotes could threaten other animals and some endangered species as well.

They argue that deaths of "innocent" animals were common before the 1972 ban, when compound 1080 was commonly hidden in the carcass of dead horses left in areas surrounding herds and flocks. Many environmentalists

claim that no matter how effective the poison, killing of nonpredatory animals is too high a price to pay. Guard dogs may offer one alternative. But how much do they cost?

Buying a guard dog is not cheap. Although prices vary among breeds, Komondor puppies may cost from \$300 to \$750 and up depending on age, bloodline, and breeder. Older, proven dogs — particularly dogs that have had experience with livestock — may cost more. Green figures an average price is around \$500.

Komondor dogs usually live from 10 to 14 years and can effectively guard livestock for 6 to 10 years.

There are at least two variable costs in raising a guard dog, according to Green. The first is the labor required to train the dog. Several owners of successful guardians reported they used no training whatsoever, but relied on the dogs' instincts. But most owners do teach their dog basic obedience commands.

The second variable cost is the

number of sheep that may be injured or killed while the guard dog learns its trade. It's not uncommon for pups to become overly playful with sheep, and some serious injuries can result.

"Some dogs pass through this phase quickly, and some never display this behavior at all," says Green. But, remember, the dog is almost always going to be bigger and stronger than the sheep.

Despite the costs — and the risks — a dog may appear to be a pretty sound investment, Green says. For example, take a hypothetical range sheep operation of 1,000 ewes with an average lamb crop of 1,250. If the predation rate was around 4 percent, 50 lambs would be lost to predators.

However, if the producer had a guard dog that was even 50-percent effective (saving 25 lambs), the producer could earn an additional \$1,500 if 100-pound market lambs were selling for \$60 per cwt. If the dog was 80-percent effective, saving 40 lambs, the producer would be \$2,400 richer. As Green points out, the higher the predation rate, the greater the savings.

New reed canarygrass variety has increased popularity

ST. PAUL, Minn. — Reed canarygrass may be moving up on the forage popularity charts, says Gordon C. Marten, Science and Education agronomist here.

In 2 years of pasture tests lambs grazing on MN-76, a new strain of reed canarygrass, averaged gains of 0.26 pounds per day. Lambs on Vantage and Rise, two older varieties, gained 0.18 and 0.15 pound per day, respectively.

"Reed canarygrass has never been widely accepted by farmers," Marten says. "It has long been criticized for its slow palatability rating, and sometimes for its low weight gain potential with livestock and its apparent inducement of diarrhea in sheep."

Comparing diarrhea problems as well as weight gains, Marten noted incidence of diarrhea was at least four times as great from

lambs grazing Rise as for those on Vantage of MN-76.

A basic program with reed canarygrass has been its high alkaloid content. Alkaloids are complex compounds that serve no known function in plants, Marten says. Three alkaloids commonly found in reed canarygrass are gramine, tryptamine, and carboline. The latter two alkaloids seem to readily cause diarrhea and poor animal performance, while gramine seeds somewhat more tolerable to livestock.

"Of the three reed canarygrasses tested, Rise is the only one containing tryptamines and carbolines," Marten says. "Average total dry weight for the 2 years showed that Rise contained 3,000 parts per million of alkaloids, Vantage 2,650 ppm, and MN-76 1,050 ppm. Vantage and MN-76 contained only gramine."

The researchers measured alkaloid concentrations of the grasses several times during the grazing seasons. They also measured nutritive value, crude protein, cell wall constituents, and mineral concentrations.

Forage quality was about the same for all three grasses except that MN-76 contained 5 to 8 percent less cell wall and as much as 9 percent more crude protein than

did the two commercial varieties. MN-76 was also higher in calcium than was Rise and Vantage. Grass hays are often deficient in calcium, so the increased calcium in MN-76 should be considered a plus factor, Marten says.

Lambs grazed the plots for 56 days the first year and 61 days the second year. Three pastures were seeded to each of three replications of the grasses tested, 0.67 acres each. After one hay crop was removed each year, 5 to 10 lambs were maintained on each pasture, depending on the carrying capacity (grazing pressure was controlled).

Reed canarygrass is a high-yielding and very adaptable pasture, hay, and silage crop. It grows in a great variety of soils and under both wet and dry conditions, Marten says. Total acreage planted to reed canarygrass should increase substantially with release of palatable, low alkaloid varieties.

"Successful breeding of low alkaloid varieties of reed canarygrass very likely will mean increased costs to the farmer," Marten says. He thinks such varieties will be available within a few years.

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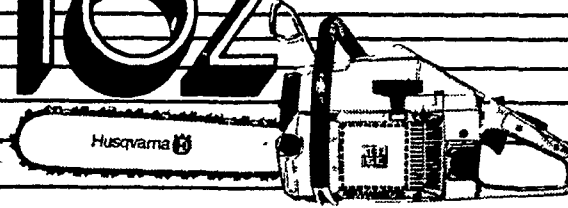
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Federal grain inspection 'rifs' 77

WASHINGTON, D.C. — Under a reorganization of the U.S. Department of Agriculture's Federal Grain Inspection Service, 77 positions will be eliminated and 45 positions will be downgraded in the headquarters staff and changes will be made later in the field office structure. Kenneth A. Gilles, administrator of the agency, said the remainder of the 139 people in the

headquarters staff will receive lateral reassignments. All personnel involved in this first phase of the reorganization have been notified, he said.

"The Federal Grain Inspection Service was created by the

Congress in 1976, from the grain division of the Agricultural Marketing Service which was responsible for the Grain Standards Act of 1916. It performs a public service—to facilitate domestic and international trade

in grains and related commodities. "With reduced allocations and greater dependence on user fees expected in the coming years, it is time to streamline our activities and increase the efficiency of the work this agency does," said Gilles.

Lancaster Farming, Saturday, November 14, 1981—A15

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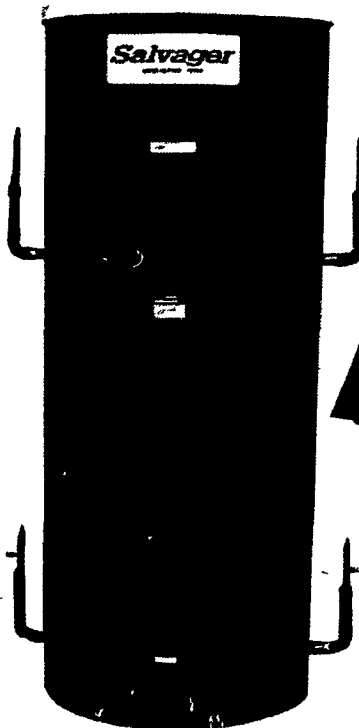
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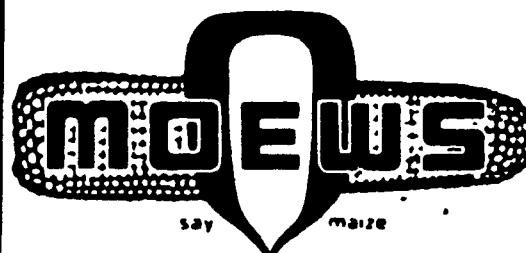
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Darvin Boyd receives nat'l 4-H alumni award

LANCASTER — Darvin E. Boyd, of 39 Knollwood Drive, Akron, Thursday was named state and national winner of the 4-H Alumni Recognition Award in the National 4-H Awards Program.

Boyd, a former outstanding 4-H member, currently serves as vice president and director of the agriculture department of the Hamilton Bank, Lancaster.

According to Carroll L. Howes, associate 4-H youth program director at The Pennsylvania State University, Boyd will receive a plaque.

He was selected from among the quarter-million Pennsylvania 4-H alumni. Support of the alumni recognition program is provided by the Friends of National 4-H Council.

One of Boyd's greatest contributions to the 4-H program was his involvement in developing the worldwide youth program during 1966-72 when he served as 4-H program director for the American-Korean Foundation, Inc., Howes points out.

He also served as an International Farm Youth Exchange delegate to Korea and currently is a member of the Lancaster County 4-H IFYE Association. He actively



Darvin Boyd

supports area 4-H fund raising and development programs.

As a 4-H member, the alumni recognition winner was involved in 13 project categories including livestock, field crops, small fruits, apiary, poultry, soil conservation, tractor and electrical maintenance.

Through careful management

and skills learned through 4-H work, his projects netted over \$4,000 profit. He completely financed his undergraduate college work with proceeds from his 4-H projects.

Boyd was a state 4-H achievement winner, receiving an expense-paid trip to National 4-H Congress in Chicago; was selected to attend the National 4-H Conference in Washington, D.C.; attended the National Youthpower Congress in Chicago; and was president of the Lancaster County 4-H Council.

He also was a delegate to the American Institute of Cooperation in Berkeley, California; was recipient of the Lancaster County 4-H Achievement Award for three years; and attended Pennsylvania 4-H Leadership Congress and State 4-H Camp.

A native of R5, Ephrata, he received a bachelor of science degree in animal husbandry from the Delaware Valley College of

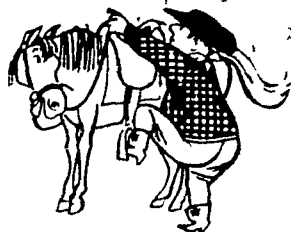
Science and Agriculture and master of public administration degree from Penn State.

Boyd serves as a member of the agriculture and land use committee of the Lancaster Association of Commerce and Industry; and as vice chairman of the Lancaster City-County Human Relations Committee.

He is a member of the American Society for Public Administration, American Academy of Political and Social Science, Lancaster Chapter of the American Institute of Banking, Ephrata Lodge F & AM, and the Ephrata Church of the Brethren.

Boyd is married to the former Linda Stehman, of Latitz.

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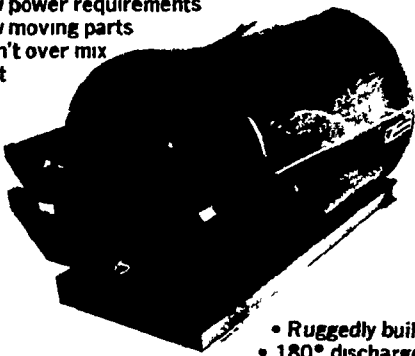
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Cow families excel at Rinehart farms

(Continued from Page A1)

at Rinehart Farms, known for strong cow families.

Castleberg Brothers and David Castleberg of Aspin, Wis. purchased two full-sisters which were Bootmaker daughters. The Wisconsin buyers bought Rinehart Bootmaker Vannie, an Excellent 90 6-year-old, for \$27,000. Her sister Rinehart Bootmaker Vale, a Very Good 87 3-year-old, brought an \$19,000 price tag.

New York buyer Scott Donaldson purchased more than \$40,000 worth of Rinehart animals including a Very Good 87 Milu Betty Ivanhoe Chief daughter.

The sale animals were dispersed across the country from Maine to California.

John and Sharon Rinehart's 400-acre registered Holstein farm is located near Taneytown, Md., just south of the Pennsylvania border.

To the casual observer, it appears as just another lovely farm. Big black and white cows dot the rolling pasture hills as a stream gently winds its way along the field.

But to the trained eye or even the most serious student of Holstein breeding, the farm is nothing short of incredible. Many of the Holsteins quietly grazing at Rinehart Farms, represent some

of the strongest cow families in the nation if not the world.

When John purchased his father's farm in the late 1960's he bought a herd of cows which expanded the herd from 30 to 100 head. The University of Maryland dairy science graduate looked for the best bull to use on the new herd and he settled on Apollo. That decision helped Rinehart build the remarkable herd he has today.

The keystone of the herd, without a doubt, would be Rinehart's "complete" All-American, Rinehart Apollo Dawfin. The All-American 2-year-old, Dawfin scored a Very Good 88 and from there her track record reads like a report card of a straight A student.

The excellent cow scored 92 as a 3-year-old, 94 as a 4 and 5-year-old, 95 as a 6-year-old, and today the 9-year-old Holstein topped it all with a 96 score.

"She's what every registered breeder dreams of," Sharon exclaimed. "She always was a young-looking cow."

Dawfin's lifetime record stands at better than 165,000 pounds of milk with a 4.4 percent butterfat test.

Typically, the Rinehart cows exhibit excellent mammary systems and said Sharon, are exceptionally big and carry a lot of strength.



John and Sharon Rinehart have built one of the finest registered Holstein herds in the country. They base their success on strong excellent cow families.

Another influential cow family at Rinehart Farms, traces back to a big white cow, Pleasant View Lilly Pond, affectionately known as "Whitie."

John bred Whitie, a 92 Gold

Medal Dam, with Zeldenrust Royal Pontiac and that mating produced Sarob Royal Wimpy, a 4E 93.

The White cow family claims three generations of Excellent Holsteins. Wimpy's daughter, Rinehart R Maple Wimpy, sired by Citation, also has an Excellent rating in her pedigree.

The Ruby line, which produced four generations of Excellents began with a Glendell daughter, Rinehart Chief Rubin. Other Excellents in the Ruby line includes a Matt daughter, an Elevation daughter and a Ecraso Golden Topper daughter.

In addition to using several older proven bulls in the herd, such as Apollo, Glendell, Valiant, Elevation and Ivanhoe, the Rineharts breed to various young sires.

However, the young sire must be out of a strong cow family, explains Sharon. She said her husband wishes he had more time to travel and look at daughters of the young sires in building his strong cow families.

"In the last 10 years, people are turning away from cow families and relying more on numbers," added Sharon.

But Rinehart Farm is living proof that cow families can add to the genetic progress of the breed.

The farm family is comprised of John, Sharon and their daughter, 8-year-old Jenell who will be on the show circuit in the near future. Although her parents will be there to guide Jenell in the beginning,

the youngest Rinehart will learn responsibility in the show ring.

"We want her to be able to say, 'I've done this on my own,'" explained the proud mother.

Sharon, a former veterinary assistant, presides over the 35 calves in hutches. At birth, the calves get a bellyful of colostrum, a painted navel and injections of vitamins A, D and E plus Iron.

The Rinehart's maternity ward also includes an oxygen machine, which Sharon said, has saved many valuable calves.

"If you just save a few veal calves, it's paid for," she said of the economical tool.

The high producers and 2-year-olds in the milking herd are fed an 18 percent protein feed in the parlor. The feed bunks are filled with corn silage and the high producers are treated to good quality alfalfa hay twice a day to maintain the 17,000 pounds of milk herd average.

Sharon and John both supervise the twice a day milking in their double-8 herringbone parlor. Most of the herd is housed in a free stall barn, but recently the Rineharts have added a new facility with individual box stalls for Dawfin and many of her lofty peers.

In a recent advertisement of Rinehart Farms, John Rinehart challenged all registered Holstein breeders to establish high goals in the breeding, promoting, advertising and merchandising of the breed.

And according to many Holstein breeders, there's no better role model around than John Rinehart.



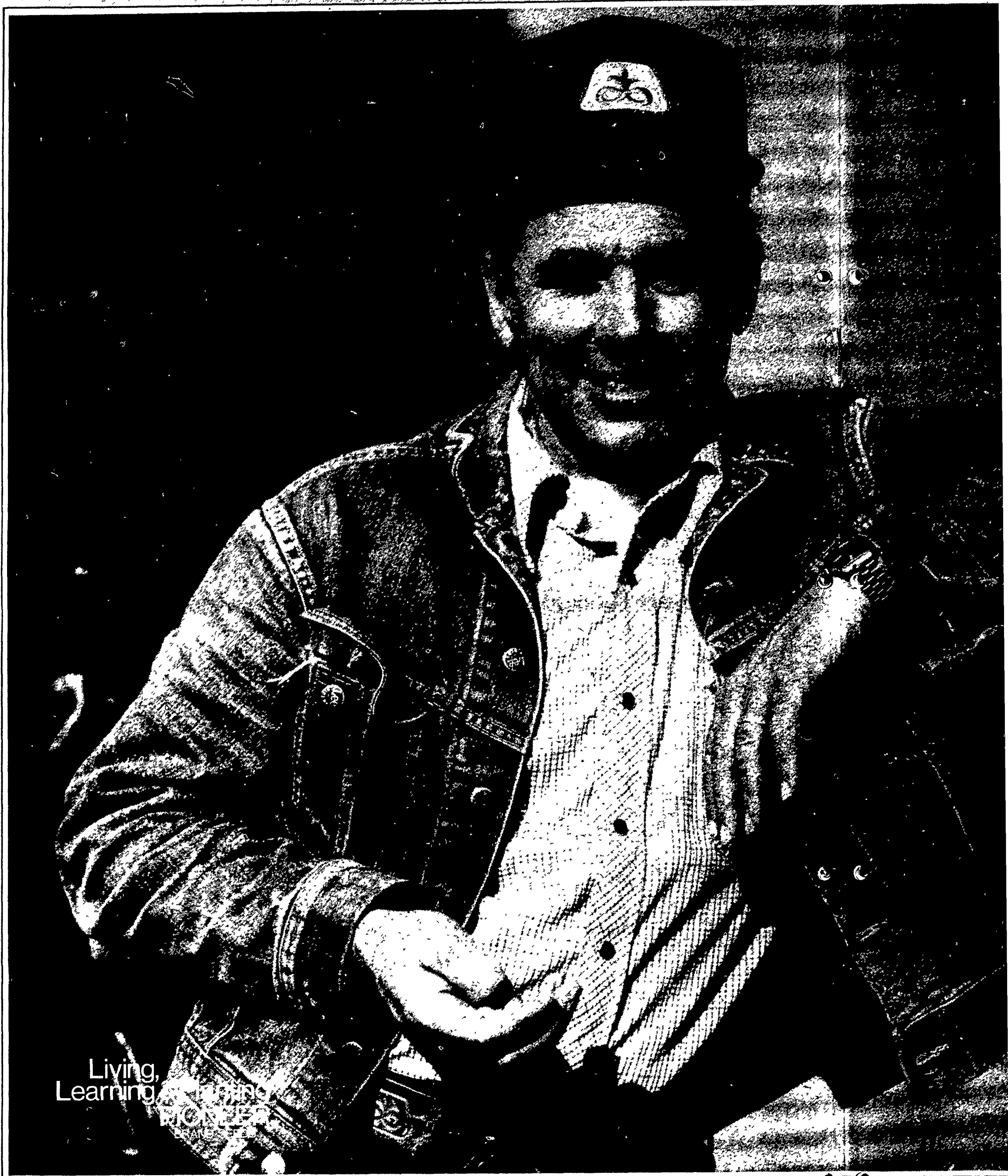
The sale topper, Rinehart Dawfinette drew the high bid of \$70,000. The Marquis daughter scored Very Good 89 as a 2-year-old and excellent on mammary.



Dawfin, pictured as a 7-year-old, has provided much of the ground work for John Rinehart's top Holstein herd. The Apollo daughter gained fame as a 2-year-old All-American.



No, this isn't a fancy horse barn, but rather individual boxstalls for several fancy Rinehart cows. When completed each boxstall will have an individual exercise pen.



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Dairy conference supplies answers for service reps.

BY DONNA TOMMELLEO
HARRISBURG — A dairy farm is frequented by more than just the milk inspector, the shipper and the veterinarian.

Add to that list the constant stream of feed sales representatives, county agents, AI technicians and even loan appraisers and the dairy farm becomes one busy terminal.

Many times, such visitors are able to pin point problems on the farm by asking the right questions. But before asking the questions, these professionals who service a dairy operation, must have the answers or at least know where to find them.

Thanks to an all-day conference on Tuesday, more than 60 dairy service persons listened as experts in the field of dairy nutrition and milk quality provided them with practical answers. Conference participants were also brought up-to-date on state agricultural organizations.

Co-sponsored by PennAg Industries Association and the Penn State Cooperative Extension, the conference featured Richard S. Adams, dairy Extension nutritionist and Sidney E. Barnard, Extension food scientist.

The conference at the Harrisburg Sheraton West, was part of a state-wide education program. Beginning in late October, the conference appeared in six different locations throughout the Commonwealth.

Pennsylvania Farmer Association representative John Moulton presented a brief history of the association.

"In 1950, owners and operators of farms and farming business formed PFA," Moulton explained.

The professional organization, Moulton said, is not unlike a chamber of commerce. Moulton also reported on the progress of the 31st Annual Meeting in Hershey and updated the membership count. PFA claims more than 23,000 family members across 54 counties in the state, Moulton said.

"The purpose of the organization is to promote, protect and to represent the economic, social and educational interest of farm people

in county, state and national affairs," explained the PFA rep.

Moulton also reported that new PFA farm promotional commercials are now appearing on television in the Harrisburg viewing area.

PennAg Industries staff member Sam Sherk reported on state legislative activities.

House Bill 1351, which would name milk the official state beverage, has passed the House and is on the Senate floor, said Sherk.

Sherk expressed concern regarding the animal rights issue.

"Very shortly we'll (PennAg) be premiering a slide presentation on the welfare of Pennsylvania's farm animals from a farmer's view point," Sherk said.

Penn State Extension food scientist Sidney Barnard presented guidelines aimed at practical goals for good quality milk.

Proper cooling temperature was at the top of Barnard's list. He explained that milk storage temperature, recorded with an accurate thermometer, should be no higher than 40 degrees Fahrenheit.

"The colder we keep milk, the longer it will keep," Barnard reported.

The consumer determines milk quality by the taste, said Barnard. And although certain off-flavors can creep into milk, Barnard said, the incidence of feed/weed flavor is not much of a problem today.

However, he reported that consumer complaints continue. And the primary off-flavor is rancidity, characterized by a soapy or bitter taste. Barnard said that in 1972, only 2.2 percent of 500 milk samples proved rancid. However, in 1978 the incidence reached an alarming 33.9 percent or one out of every three samples. Today the rate has dropped to 17 percent.

The causes are traced back to the farm, unlike oxidized milk which mostly occurs under the bright lights in supermarkets.

Late lactation cows, risers or pipeline air leaks contribute to the problem of rancidity, Barnard

explained. Milk processors, he said, should try and process milk no later than 48 hours of collection.

Oxidative flavors have a cardboard or metallic-like taste. Some oxidation problems can be traced back to the farm where cows are fed stored feed. A vitamin E supplement may correct this, said Barnard.

High somatic cell counts also affect the quality of milk and antibiotic adulteration is not only dangerous for certain consumers sensitive to penicillin but quite costly to the producer, as well.

The only source of penicillin in milk is from treated cows. Prevention in the key, as no procedure will remove the antibiotic from milk.

The incidence of any adulterants in milk is very low. Extensive testing by industry and regulatory laboratories indicates less than 0.02 percent of farm samples contain detectable levels of antibiotics.

Tests used to determine the presence of penicillin can readily detect less than 0.01 I.U. or the equivalent of a 100,000 unit infusion in a quarter of one cow, which gets into a load of 45,000 pounds of milk. Farmers cannot rely on dilution, said Barnard, as milk from one quarter can be detected in the milk from 1,000 cows.

Barnard's guides for adulteration prevention follow:

Read the directions for all drugs and medicines used for dairy cattle. Use the prescribed dose and withhold all milk for the time indicated.

(Turn to Page A21)



Sid Barnard, Extension food scientist discusses the many factors of off-flavors that effect the quality of milk. "Consumers want safe, pleasant-tasting milk with good keeping quality," Barnard explains.



Richard Adams, Extension dairy nutritionist outlines goals for successful heifer raising. "The best plan is to get heifers into production early," he reports. Adams suggested breeding heifers between 13 to 15 months of age if they are the proper size.

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The magic number for proper milk cooling is 40 degrees Fahrenheit or under, recommended Sid Barnard. Higher temperature could lead to increased bacteria count.



These young heifers have their whole reproductive life ahead of them and only through proper nutrition management will they become the herd replacements of the future.

Dairy conference

(Continued from Page A20)

Identify all treated cows and indicate the proper time when the milk can be added in the bulk tank.

Milk treated cows last. Milking equipment must be thoroughly washed and sanitized after milking a treated cow.

Discard all milk from a treated cow even though only one quarter was infused. Also, discard all milk following intravenous and intra-muscular shots. Assume that a purchased animal was treated and test her milk before putting her milk into the tank.

Do not save milk from a cow which was dry treated for 30 days, even if she freshens early. Following the normal 60 day dry period, withhold all milk for four days after freshening.

Whenever in doubt, have a cow or bulk tank sample tested, using a field kit or official tests. Do not take a chance, as you will probably

get caught. The penalty is dumping milk from your entire herd for two days. Purchase and use your own field kit.

Extension nutritionist Richard Adams outlined a feeding program for dairy heifers.

He cited a recent southwestern Pennsylvania study on 2,400 heifers in 212 herds across 11 counties. Adams found that 40 percent of the animals rated poor in growth or substantially below breed average. Earlier DHIA studies of state animals showed that females that freshened at breed averages for growth may produce 17 percent more milk during their first lactation.

"You would think that down here in this milk market that has a base-surplus marketing plan that it would pay to hold some of these heifers over longer, in order to have them freshen during the base-

making period," he said.

"The best plan is to get the heifers into production at 22 to 26 months of age, irrespective of the milk market."

"Every bit of the time they are not producing is overhead costs," Adams reported.

Adams called for adequate size without fattening.

"Obesity will usually increase the heifer's maintenance requirements for the rest of her days," Adams explained.

The obese heifer may be harder to settle and can experience calving problems due to a fatty reproductive tract.

Another problem, Adams notes, is decreased milk supply. Fat cells will replace the vital milk secretory cells in the mammary gland, reducing the potential to milk. Overconditioning will not only effect the first lactation but lifetime production as well.

"Longevity is lower in these overconditioned animals."

Sexual maturity in heifers is indicative of size. Adams guide for

breeding size follows:

Holstein and Brown Swiss — 750-800 pounds or 64-66 inches of heart girth; Ayrshire and Guernseys 650-700 pounds or 61-63 inches of heart girth; Jersey — 500-600 or 58-60 inches of heart girth. Heifers should gain about 1.5 pounds per head daily from birth to breeding.

At six months of age, heifers should be on a 2.0 to 2.2 percent of body weight hay equivalent daily forage intake.

Adams recommended all types of forages including pasture for calves over 6-months-old. Average quality forage often is adequate if sufficient amounts are fed and the ration is balanced properly. High-protein forage is not essential.

Good pasture in ample supply plus free-choice minerals often will provide good growth. Adams suggested a trace mineral salt and a recommended calcium-phosphorus supplement.

Split heifer groups by size, when necessary to enable adequate forage and feed intake by smaller animals.

Concentrate amounts, said Adams, depends upon the forage quality. Forage testing better than 60 percent total digestible nutrients, may only require two to four pounds per head per day of concentrate. Less than 60 percent TDN may warrant four to six

pounds of concentrate per head daily.

The water supply should be present in ample amounts. Fecal coliform counts should not exceed 10 per 100 milliliters.

Undersized herd replacement can result from a variety of factors and Adam's factors are as follows:

Considerably underfeeding forage

Lack of ration balance — especially protein and minerals

Lack of suitable facilities to enable frequent observation as well as ease of feeding and management

Poor pasture management and lack of supplementary feed on inadequate pasture

Lack of water or poor quality water

Additional information on feeding dairy heifers for proper breeding size is available at local Extension offices



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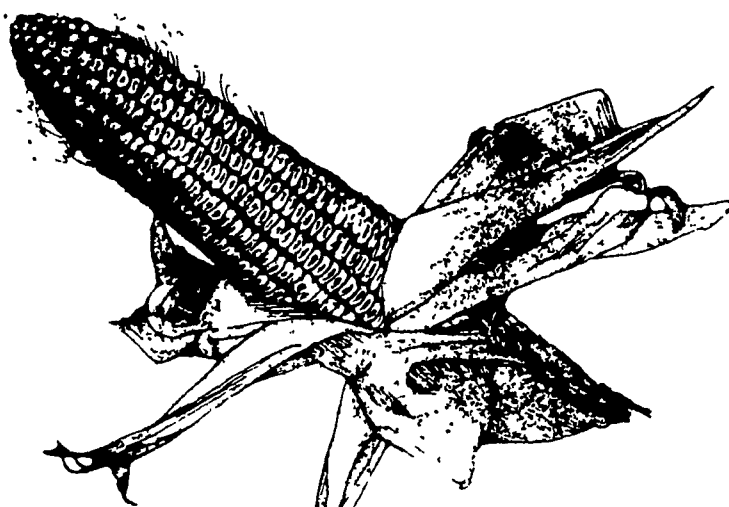
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Bollingers top Lebanon DHIA in milk production for 8th year

BY SHEILA MILLER

PRESCOTT — Lebanon County dairy producers gathered here at the Fire Hall on Tuesday evening to honor the top producers of the 52nd year of Dairy Herd Improvement Association progress in the county.

The crowd of approximately 300 people applauded the record turned in by Donald Bollinger's herd of registered Holsteins. Bollinger, along with his father, Harold, milks 42 head at Willow Maple Farm, located near Kleinfeltersville.

For the eighth consecutive year, these black and white milkers out-produced every other herd in the county. This past year they turned in a record of 20,884 pounds milk with 702 pounds fat. Bollinger attributes the consistent high production of Willow Maple Farm's Holsteins to a balanced feeding program.

The county award for high fat herd went to the 43 head of Holsteins milking for Kenneth Sellers, R4 Lebanon. These 'ladies' put out 741 pounds of butterfat with 18,758 pounds of milk. This is the second year in a row that Sellers' cows earned the top fat production award.

The award for top individual cow in fat production went to a registered Holstein owned by Dale Hostetter & Sons, R2 Annville. Hostetterdale Fobes Paclamar 92-2E made a record of 1,204 pounds fat with 27,941 pounds milk, for a 4.3 test. This was the highest lactation record for the 9-year-old daughter of Paclamar Astronaut, but all her previous records averaged 4.3 test, explained Hostetter.

A grade Holstein in the barn of Luke Patches, R7 Lebanon, produced the record poundage of milk in Lebanon County last year. Radar made 31,056 pounds of milk during her 305-day record with 982 pounds fat and a 3.2 test. This was the Willowlyn Sky Cross daughter's highest lactation, according to Patches.

Norman Kline, R2 Myerstown, and son David, accepted the award for highest percent increase in yearly herd average for milk and fat. Their 77-head herd made a record of 17,604 pounds milk and 673 pounds fat. Commenting on their accomplishment, son David explained, "It's not that we came up that much this year, but that we had dropped down that much the year before."

A total of nine herds in the county made more than 700 pounds in fat records. They were on the farms of: Kenneth I. Sellers; Bennetch Bros., R2 Myerstown, 73 head, 19,863 pounds milk, 735 pounds fat; Kenneth Mase, Lebanon, 78 head, 19,125 milk, 732 fat; Dale Hostetter & Son, 87 head, 19,372 milk, 731 fat; Marlin M. High, R1 Lebanon, 35 head, 20,105 milk, 727 fat; Raymond & Marlin Getz, Myerstown, 51 head, 18,688 milk, 716 fat; Marvin K. Meyer & Sons, R2 Annville, 89 head, 18,345 milk, 714 fat; Roy E. Nolt, R1 Richland, 49 head, 18,243 milk, 705 fat; and Willow Maple Farm.

The dairy producers elected three new directors to serve 2-year terms on the county DHIA board. They are Dale Hoover, Gary Lentz, and David Brandt. These men are replacing Harold Bollinger, Robert Lentz, and Ken Sellers, whose terms expired.

Penn State's Steve Spencer reminded the producers to watch their somatic cell counts and to use the new testing program which gives them a month-to-month status report on each cow. He pointed out when somatic cell

counts increase, production conversely decreases.

Some of the ways to combat the pathogens causing high cell counts include teat dipping and antibiotics. Spencer recommended farmers work with their veterinarians to determine which antibiotic is specific for the infective organism by using the sensitivity test.

A normal udder has a somatic cell count of less than 200,000. The white cell level in milk can be tested by several methods — the California mastitis test, which can identify a particular quarter infection; and the Wisconsin mastitis test, which screen tests the milk from the bulk tank; and a few others.

Spencer explained each cow that's tested receives a code from 1-9, with 9 representing the most severe infection. He pointed out the daily milk production difference between a cow that tests in Group 1 and a cow that tests in Group 2 is 5 pounds of milk per day.

"You have to search out those cows with high counts and reduce those counts for efficient production," advised Spencer. "There's no way a cow can produce up to her inherited capability, otherwise."

Spencer cleared up some old "dairy farmer's tales" about high counts being related to lactation and age. The dairy specialist cited experiments which separated infected cows from non-infected cows. The results of the studies showed non-infected cows did not change their somatic cell counts either as their lactation progressed or as they got older.

State director Harold Bollinger reported to the dairy producers that on a statewide level, the number of farmers who are having their milk tested for protein has increased from 192 members in July to the present 231 members.

In Lebanon County, 139 herds completed the DHIA year, all exceeding an average production of 400 pounds butterfat. Since DHIA's start in the county in 1929, the number of cows increased from 382 to the present 8,651. Production averages also went from 9,061 pounds milk to 15,855; fat jumped from an average of 335 pounds to today's average of 593 pounds.



Lebanon County dairy producers honored for their top DHIA records on Tuesday evening include: from left, Dale Hostetter, high record cow for fat; Luke Patches, high record cow for milk; Donald Bollinger, high herd for milk; Kenneth Sellers, high herd for fat; and Norman Kline, highest percentage increase in yearly herd average.



Those dairymen whose herds made over 700 pounds fat in their 305-day record were: from left, Bill Bennetch, Jim Meyer, Dale Hostetter, Donald Bollinger, Roy Nolt, Raymond Getz, Kenneth Sellers, and Kenneth Mase.

MILK MARKET NEWS

Federal Order No. 4

Middle Atlantic Marketing Area Base milk price up two pennies

Middle Atlantic Order Market Administrator Joseph D. Shine recently announced an October 1981 base milk price of \$14.01 per hundredweight and an excess of milk price of \$12.47.

The October weighted average price was \$14.01 and the butterfat differential for the month was 17.3 cents. The base milk price was up two cents from September, while the weighted average price increased three cents.

The October base milk price was 29 cents higher than last year. The advertising withholding rate, which is deducted from the base and excess milk prices but not the weighted average price, was 13 cents a hundredweight and the amount withheld totaled \$631,615.92. The gross value of producer milk during October was \$67.8 million compared to \$64.9 million a year ago.

Shine said that producer milk receipts totaled 485.9 million

pounds during October, a drop of 0.2 percent from September, on a daily basis, but up 11.6 million pounds or 2.4 percent from a year ago.

During the first ten months of this year, producer milk receipts were up 6.3 percent, on a daily basis, or almost 300 million pounds. Class 1 producer milk totaled 250.9 million pounds and accounted for 51.64 percent of total receipts.

A year ago Class 1 producer milk totaled 262.3 million pounds and represented 55.31 percent of total milk receipts. Base milk accounted for 91.78 percent of total October production compared to 90.92 percent last year. There were 7,098 producers supplying pool handlers in October.

This was 147 less than in September and a decline of 399 from June. A year ago there were 7,362 producers. The average daily delivery per producer was 2,208 pounds for the month, an increase of 40 pounds from September and 130 pounds or 6.3 percent higher

than the October 1980 average. The average butterfat test of producer milk increased from 3.57 percent in September to 3.72 in October.

Middle Atlantic order pool handlers reported Class 1 in-area milk disposition of 216.9 million pounds during October, a drop of 3.6 percent from a year earlier, after adjustment to eliminate variation due to calendar composition.

December Class 1 price up 6 cents

Shine also announced a Class 1 milk price of \$15.30 per hundredweight for December 1981. This price is up six cents from the November price and is ten cents above the December 1980 Class 1 price.

Order No. 4 prices are announced for milk testing 3.5 percent butterfat t.o.b. plants located within 55 miles of Philadelphia, PA and also within 75 miles from the nearer of Washington, DC or Baltimore, MD. There is also a 6-cent direct-delivery differential applicable to producer milk received at plants located within 55

miles of Philadelphia.

Shine announced a Class 11 milk price of \$12.60 per hundredweight for October 1981 and a butterfat differential of 17.3 cents for the month. The Class 11 milk price is up six cents from the previous month while the butterfat differential is up two-tenths of a cent.

These class prices are based on the October 1981 Minnesota-Wisconsin manufacturing milk price of \$12.52 per hundredweight adjusted to a 3.5 percent butterfat content.

The USDA reported that the wholesale price of Grade A butter at Chicago for October was \$1.5057 per pound and the nonfat dry milk price was \$.9369 per pound, t.o.b. plants in the Chicago area.

NATIONAL OUTLOOK

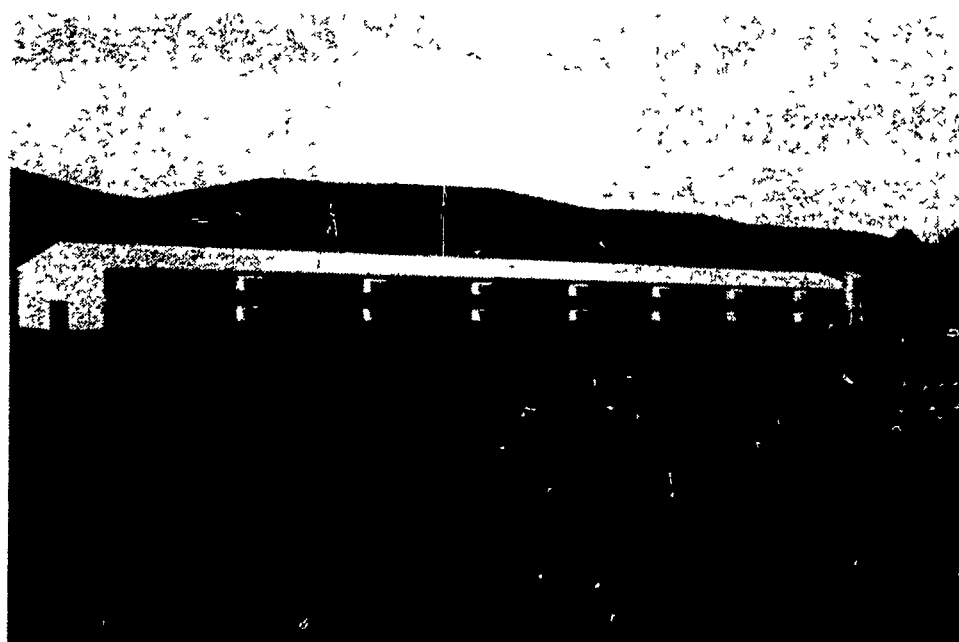
Sterile milk plants are popping up

According to W.F. Johnstone, Extension Ag Economist, ultra-high temperature pasteurized milk is poised for take-off during the coming year. Starting with juice

(Turn to Page A35)

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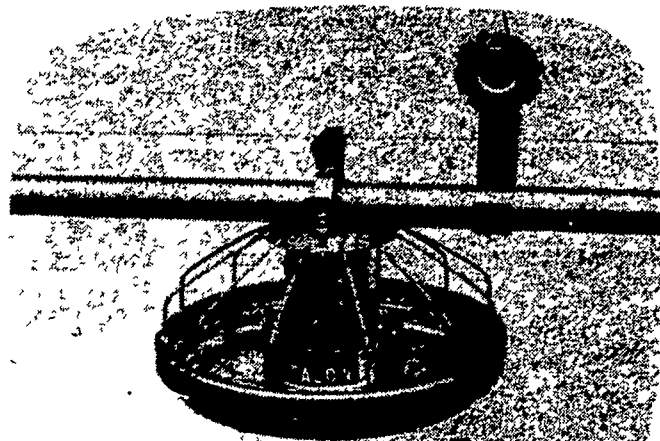
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Zimmermans add a little milk to the Boston Tea Party

BY DONNA TOMMELLEO

EAST EARL — Dairy families know all too well that vacations can be few and far between. The demands of the herd and field work must be met first, often leaving little time for anything else.

As one Guernsey breeder recently queried, "Vacation? What's that?"

But this is the unique story of a couple of young Holstein breeders that did manage to get away from it all — for two years, that is. And although their escapades didn't take them to the far corners of the world, they found the experience of a lifetime in good old Boston, Mass and still managed their Lancaster County farm.

Helen and Loren Zimmerman had been married 11 years and had been milking Holsteins for nine years when they moved to Boston so that Helen could work on a bachelor of science degree in nursing from Northeastern University.

"It wasn't a fly-by night decision," Helen explained. She and Loren had discussed the idea for two or three years prior to the move.

"She (Helen) had been saying all along that she wants to stay in nursing and get her degree," Loren added. And although Helen was already a registered nurse, completing a program at Bucks County Grandview, she was anxious to further her education.

Helen could have attended Penn or Villanova but that would have meant night school or driving back and forth to Philadelphia. After much discussion it was Loren that decided on the area.

"I thought maybe it would be a good idea to get away from the farm and see how the other half lives," he explained. The couple agreed the decision was not an easy one and admitted they even considered the possibility of a herd dispersal.

Understandably, the move warranted much preparation. All the calves were drawn off for

registration and several cows were culled.

"Everything was brought up to date, as much as possible," Loren said. He admitted at that point a few of his friends though he was about two eggs shy of a dozen.

Despite the negative response around them, the Zimmermans moved to Boston where they received a well-rounded education from not only the university professors but the "other half" as well.

Once inside the "Bay State," the Zimmermans's may have felt not unlike Dorothy shortly after she piloted her house to Oz — a stranger in a strange land.

While Helen concentrated on her nursing degree, Loren pursued a real estate license and took several business courses.

Surrounded by "city folks," Helen and Loren encountered many double takes once they told their new friends they were bonafide farmers.

"First of all, everyone went into shock," Helen laughed.

"No one believed us," added Loren.

People were confused as to how the farmers financially supported themselves in the middle of Boston.

"We were financially supported by the farm," explained Helen. "We knew we'd be draining the farm for two years because we planned for it before we went."

Once the looks of disbelief subsided, the urbanites began asking questions.

Loren remembers one such question and answer session where he innocently explained that he bred his own cows.

"'You what!?', was his friend's startled reply. Loren said he then explained the artificial insemination process for about an hour.

"He understood the A.I. concept, but he was just so far removed from he didn't know how it happened," Loren explained.

Helen said that most people were



Loren, farming on his own since 1970, kept close tabs on the farm through telephone calls

and occasional flights home in his two-year absence.

really surprised to learn that dairy farmers no longer hand milked.

"It just goes to show," said Loren, "that we've got a lot of work to do."

They explained that dairy farms are few and far between in Massachusetts and projects such as Farm-City tours are nonexistent.

To educate their friends, the Zimmermans admitted that at times they'd talk for hours. Loren used his farm experience as the basis for speeches in a speech class.

But what the Bostonians lacked in farming knowledge, they made up for it with milk consumption.

"I saw more milk consumed in restaurants up there than here," Helen reported. "I couldn't believe how much milk the university sold. That was incredible."

While the Zimmermans were busy educating their friends, they worked just as hard in the classroom. Helen graduated with high honors at the end of the two-year period. However, the amazing feat was that she completed a five-year course in that time and still managed to hold down a part-time job. Loren dabbled in real estate, attended classes and worked construction.

Meanwhile, business on the farm commenced as usual. Loren's brother Dale and cousin Mervin managed the farm in the Zimmermans' absence.

Loren kept close tabs on the farm's progress through semi-weekly phone calls and occasional trips home. He also kept all the book work in Boston.

"When you have an investment like that, you can't get too far away from it," he said.

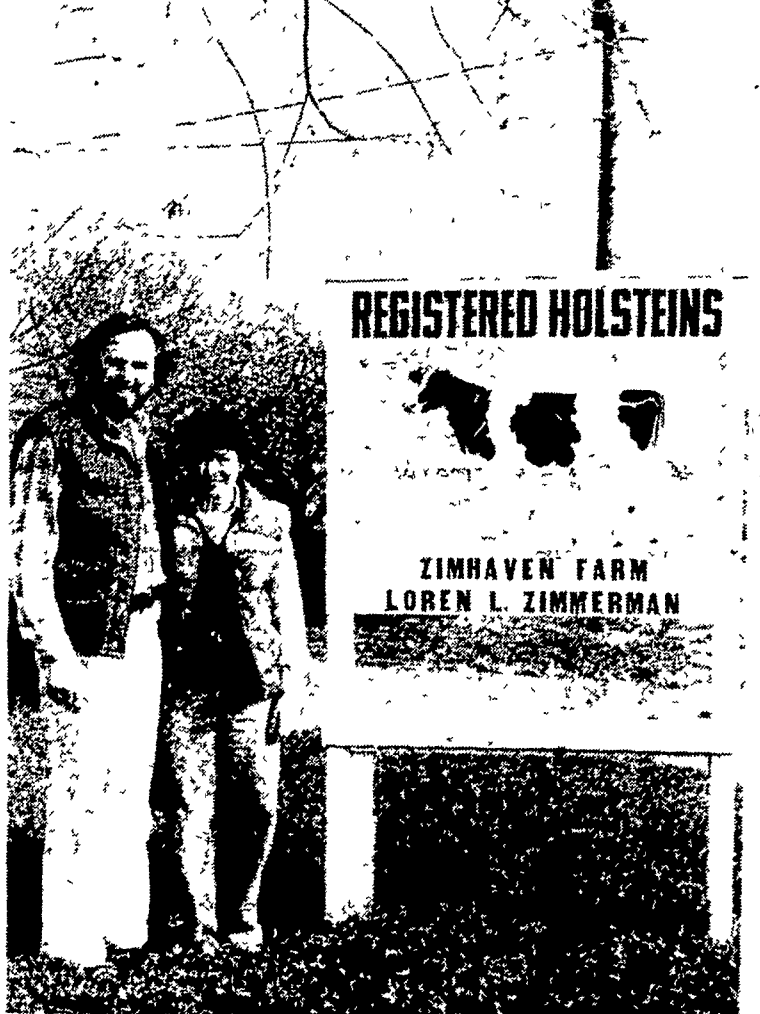
Many of Loren's visits home, which lasted three days to a week, not only benefitted the farm but Helen's studies as well.

"He worked his schedule around my school schedule," Helen said of her supportive spouse.

While Helen concentrated during the exhausting final exam periods, Loren assured her of the necessary peace and quiet and would usually retreat to the farm for a while.

"I was glad to get out of there," Loren joked. "She would lock herself up with her books and that was it. She didn't even know I was there."

In addition to her nursing education, Helen research studies allowed her to work closely with a state senator, and said she realized that applying political pressure for a cause, such as milk promotion, may not be as difficult as people think.



Home again! After returning home this past August from Boston, Loren and Helen Zimmerman agree there's a lot of work to do to educate the non-farm public about dairying.

"It can be a matter of sending the right letter to the right person at the right time," she explained.

Loren echoed his wife's feelings but added, "Most farmers are too busy to write letters."

The RN expressed dismay at farmers that request a refund of their advertising adjustment contribution from their milk check.

"I think there is no excuse for that," she charged. "Milk is our product. If we're selling it we have to advertise it."

And in the two years the Zimmermans spent in Boston, they advertised the story of milk to anyone curious enough to learn.

Helen, although pleased with the new and different environment, said she missed the animals. Occasionally, the couple babysat a friend's St. Bernard dog, which made Helen feel a little more at home.

Back home, they both said they missed their new friends and the stimulation one finds in a college environment. Loren said he especially missed the feeling of being away.

But if their milking herd of 50 Holsteins missed their globe-trotting owners they kept it a well-guarded secret. The Zimmermans reported no health problems or dips in the herd average while they were gone. In fact, things went smoother than they expected.

"I can't believe it worked out so much better than we ever thought," said Helen. "Everyone tells you the worst and I think people think the worst."

Meanwhile, normal operations have returned to the 175-acre rented farm and Helen has returned to full-time nursing work as a supervisor at the Ephrata hospital.

The registered herd continues to average almost 15,000 pounds of milk a year on their diet of high moisture corn, haylage, corn silage and a 20 percent soybean concentrate in pelleted form.

Loren is a member of a breeders' syndicate, Chief Associates Syndicate and has bred several of his cows to the syndicate sire, Mariu Perseus Chief, presently leased to Select Sires.

(Turn to Page A29)



Animal lover Helen explains the ins and outs of dry cow management to a recent visitor from Massachusetts.

Growing world markets absorb U.S. farm output

WASHINGTON, D.C. — The world's growing appetite and its increasing dependence on American farmers will probably match any expansion in U.S. agricultural output during the next two decades, says USDA trade analyst Patrick O'Brien.

Foreign dependence on the U.S. has been rising since the end of World War II, but dramatic yield gains and increased acreage allowed U.S. crop production to more than keep pace. In fact, U.S. agricultural capacity for exceeded food demand for most of that period.

However, in the early 1970's, this trend began to reverse itself. Rising world demand for grain forced the U.S. to commit most of its once-excess resources to meet world needs. Foreign demand for U.S. agricultural products grew almost 9 percent per year, while U.S. agricultural output increased 2.8 percent per year.

From 1970 to 1980, U.S. agricultural exports rose from 62 million metric tons to 164 million tons. At the same time, the demands on U.S. cropland increased dramatically.

According to O'Brien, by the end of the 1960's foreign demand required the production of about 1 U.S. acre out of every 5 planted, or 14 percent of total marketings. By the end of the 1970's, exports ac-

counted for 1 out of every 3.5 acres planted, or 30 percent of total marketings.

As a result, between the markets at home and abroad, there was a buyer for nearly every kernel of grain produced.

O'Brien concludes that world demand for U.S. farm products and its impact on U.S. agriculture over the next few decades "will be far more similar to the turbulent middle and late 1970's than to the previous 25 years."

More People to Feed

The ability of the U.S. to keep up with the world's growing appetite is being challenged by the rapid increase in population.

"Foreign population has increased 75 percent in the last three decades. This unprecedented growth in the sheer number of people to be fed has generated two-thirds of the increase in world demand over the same period," O'Brien says.

Although the rate of growth is expected to slow during the 1980's, world population is still expected to increase more than 50 percent in the next 20 years — from 4.2 billion in 1980 to nearly 6.5 billion by the year 2000.

Additionally, there is the rising demand in both developed and developing countries for improved diets, with more meat, eggs, and milk.

"If U.S. agricultural production expands fast enough to meet the anticipated growth in export demand, our agricultural sector will have to run closer to capacity than at any other time," O'Brien says. "Significantly more of our agricultural and nonagricultural resources will have to be used — and used more intensively — to produce food."

Within Our Capacity

O'Brien estimates that the demand for U.S. grains and oilseeds could increase from the 370 million tons per year at the end of the 1970's to nearly 440 million tons by 1985.

This projection takes into account the known potential for increasing production abroad. In short, most other countries of the world face problems in expanding production similar to those in the U.S. These problems include rising energy and input prices, limited availability and additional prime land, constraints on further expansion of irrigation, and limited funds to meet rising capital investment costs.

For these and other reasons, current indications suggest that consumption needs in the rest of the world will grow faster than foreign production. The resulting gap will have to be filled by imports from the U.S. and a handful of other exporting nations.

Meeting this growth in demand may call for an annual rate of increase in U.S. grain and oilseed production of roughly 3 percent, O'Brien says. This would be equal to the annual rate of increase achieved in the late 1970's.

But, have we exhausted our capacity to increase agricultural production at this rate?

Unlike many observers who conclude that we have, O'Brien says, "The combined acreage and productivity gains needed to expand output 3 percent per year by the late 1980's are certainly within our physical capacity."

He cites a Soil Conservation service study which found 413 million acres of U.S. cropland, of which only 360 million acres are currently being used to grow crops. In addition, another 127 million acres of U.S. soil are classified as potential cropland.

In light of the figures, O'Brien says that if all goes well, "We may have physical capacity well in excess of anticipated demand through the end of the century."

Higher Farm Prices

In order for farm production to keep up with demand, monetary incentives for growers must keep pace with the increasing costs of production — energy, fertilizer, and labor.

After adjusting for inflation, "real prices" received by U.S.

growers would have to increase nearly 1 to 3 percent per year, compared with "real price" declines averaging 1 to 2 percent a year over the last 30 years. This will be imperative if farmers are expected to increase production, O'Brien says.

Also, our marketing and transportation facilities will need extensive improvements to handle large volumes of crops. "By the mid-1980's, the volume of products moving through the marketing system could reach as high as 755 million tons, compared with an average of 560 million tons in the 1970's, and 450 million tons in the 1960's," O'Brien explains.

While growing export demand will bolster U.S. farm incomes, consumers could face increases in food prices unless higher farm commodity prices can be offset by increased productivity in food processing and marketing.

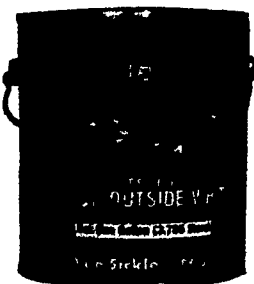


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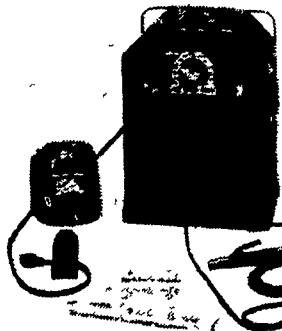
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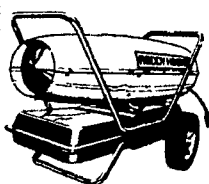


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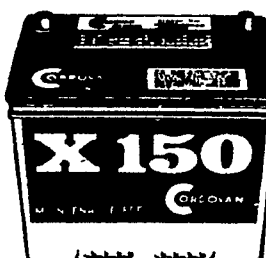
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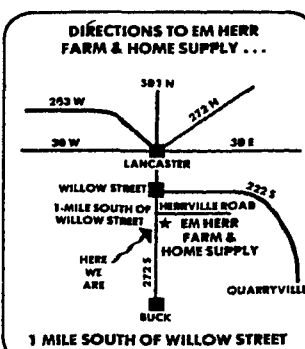


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S-W-D Valiant son tops Willsholm Invitational ET sale

BY PATTY GROSS
Staff Correspondent

BERLIN — The light snow, high winds and cold temperatures didn't stop 250 people from traveling to Berlin, Somerset County last Saturday, November 7, for the Willsholm Invitational, an all embryo transplant Holstein sale. Sellers and buyers huddled in a tent on the beautiful 750-acre North View Farm, which has been in the family of Mary Elizabeth Will for over 100 years.

The entire Calvin Will family had a part in organizing the sale with the Pa. Holstein Assoc. and R. Austin Backus, Inc. Dan, one of three sons who work the farm with their father, made most of the selections through farm visits. The cream of the crop was selected.

"Embryo transfers have come of age," says Calvin. "The boys felt it was a good idea to have the sale. They sold us on the idea."

Would the Somerset County farmers consider hosting another on the North View Farm? Calvin explains, "after the dust settles, we'll make a decision."

The Wills sold six cattle from their own herd, and purchased a 9-month old heifer for daughter Betsy.

Appearing in the sale were offspring of many great sires and dams. A large number of them trace to Osborndale Ivanhoe. In the sale, Chief and Elevation were each represented by over two dozen descendants. In the consignment line up, Chief showed up in the pedigree at least six times as the dam's sire. Elevation sired the dams of another thirteen in the Willsholm Invitational.

Thirty of the dams are rated excellent. So it's no surprise that more than half of those sold came from dams with over 1,000 pounds fat; 30,000-pound milkers mothered eleven in the sale, while three dams were 35-36,000 pound milkers.

Sale animals were consigned from Canada, New York, New Jersey, Ohio, Maryland, Virginia and Pennsylvania.

A young bull, Mun-Cre Mandolin topped the Willsholm Invitational with a price tag of \$21,000. A syndicate headed by Alan McCauley of Elizabethtown purchased the bull, born in February, that comes from the excellent line of Mun-Cre Elevation Misty and S-W-D Valiant. Mandolin was owned by Lester Poust of Muncy.

Alan McCauley also obtained another of the top sellers, which is carrying a recipient calf. Bransdale Maple Willow Magnum, carrying an ET to be born in mid-January, was purchased from Ray Edwards and Terry Branstetter of Indiana and Tyrone for \$20,000. The dam of the ET carried by the heifer is Fran-Lou Meadow, an embryo transplant herself and a fifth generation Excellent.

Also topping the day with a price tag of \$20,500 was Swampy Hollow Marvex Crissy. The highest selling heifer sold by John Umble & Sons of Atglen, boasts a family of top milk producers. The sale went to Lancaster Syndicate.

The third high seller, a 5-month-old bull from Rocby Farms in Bridgewater, Virginia was purchased for \$20,000 by a group from Virginia. Pentacles-VA Rocby Stylist is sired by S-W-D Valiant and out of Rocby Elevation Helen Lovely. Shenandoah Syndicate of Mount Crawford was the high bidder.

An eight month old heifer, Rowntree Elevation Paula, consigned by Rowntree Farms, Ltd., of Brampton, Ontario, Canada travels back to the North. The purchaser, Mary Croft Holsteins of Brampton, Ontario, paid \$16,000 for the descendant of Elevation and Round Oak Ivanhoe Eve. David Sutton of Idaho obtained Rowntree Astro Darla, a bred heifer, from the Rowntree Farms also for a price of \$16,000.

Fifty head, including 5 bulls, sold for an average price of \$6,212. The Holsteins are now at home in California, Wisconsin, Indiana, Illinois, Idaho, Maryland, Pennsylvania and Ontario.



This fancy Marvex daughter sold for \$20,500 of an Ivanhoe was consigned by John M. Umble and Sons, Atglen. The heifer, Swampy Hollow Marvex Crissy-ET, out



The sale topper, Mun-Cre Mandolin-ET Elizabethtown. The nine-month-old Valiant son brought \$21,000 from Dr. Alan McCauley, was consigned by Lester Poust, Muncy.



Dr. Alan McCauley, Elizabethtown purchased this heifer. Bransdale Maple Willow Magnum, for \$20,000. The Rockman Ivanhoe daughter out of a Citation R Maple is carrying a recipient calf. The guaranteed female calf, due to be born in January, is sired by Creek Bluff Elevation Lester and out of an Astronaut.

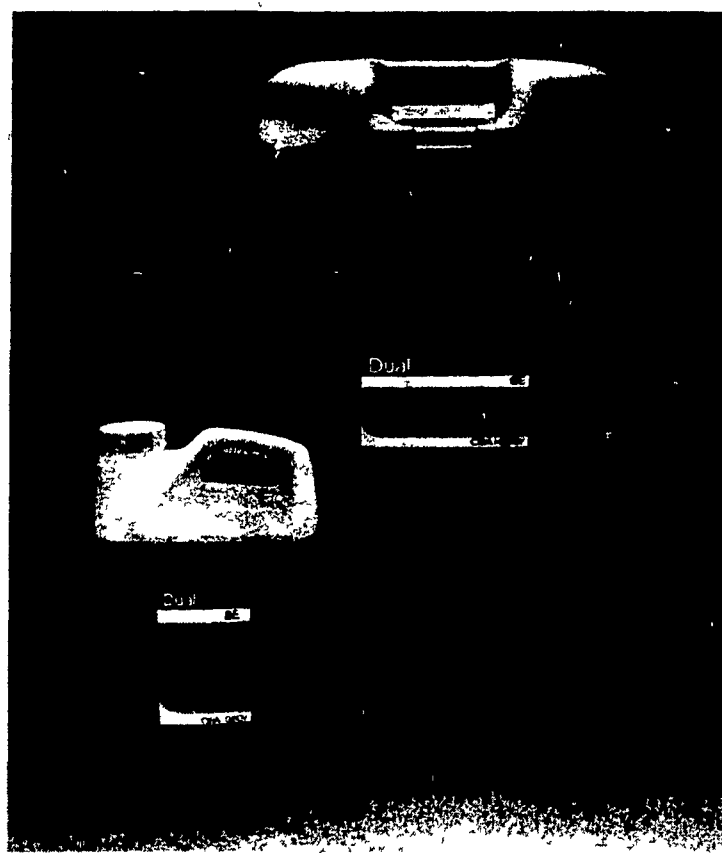


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Avoid health problems with purchased cattle

UNIVERSITY PARK — It happens to most dairymen from time to time. More milk is needed to make base, there are a few empty stalls in the barn, or a good-looking springing heifer is for sale; so you purchase one or more animals. What can you do to protect yourself and your herd when you buy a cow?

Purchased cows can introduce disease problems to a herd, says Penn State Extension Veterinarian Dr. L.J. Hutchinson. Even healthy-looking cows can be carrying disease organisms to which your herd has no immunity. There are many possible health concerns when you buy a cow, but there are four that you should always be concerned about: brucellosis, tuberculosis, shipping fever complex, and mastitis.

Brucellosis and tuberculosis have been devastating diseases in the years past, Hutchinson explains. Both diseases, but especially TB, are of very low

incidence now. However, purchased animals are still a major source of spread of both these diseases. To protect your herd know the Bang's and TB status of the herd from which your purchased cow comes.

This information is required for cows coming into Pennsylvania from other states. Find out the status if the herd of origin is in Pennsylvania. Out-of-state cows must have a blood test within 30 days and TB test within 60 days of purchase. The same is true of Pennsylvania-origin cows unless it is a Bang's-TB certified-accredited herd. Purchased cows should be retested about 30 days after arrival.

Shipping fever is a "catch-all" term for several different viral and bacterial infections. After arrival of new cows, they may get shipping fever, your cows may get shipping fever, or both new and resident cows may get shipping fever.

It doesn't do much good to vaccinate purchased or resident animals after the purchased cows arrive. It may be helpful if the purchased cows have been vaccinated at least 2 weeks before shipping. Check with your veterinarian about vaccination of your herd if you're going to be buying cows.

Many good herds that have been on a test-dip-dry cow treatment program have a very low level of udder infection. Strep ag and staph infections may be at low levels or absent. Purchase of even one infected cow can reintroduce these infections to your herd. Check purchased cows with a California

Mastitis Test and culture to identify infected cows and quarters. Milk purchased cows last until you know that they're not carrying infections.

When you buy a cow, you're looking to improve your herd. Be alert and avoid buying health problems when you buy her.

'West' wins Star FFA awards

KANSAS CITY, MO. — Star Agribusiness and Star Farmer of America awards Thursday night went to a Wisconsin florist and a Washington State dairy farmer at the 54th annual FFA convention.

Winners of the two top awards presented in FFA went to Dale Wolf Jr., of Baldwin, Wisc., owner of a floral shop and greenhouse, in agribusiness; and Chuck Berry, owner of a 95-cow herd and 144 acres at Elma, Washington.

Among the four finalists for the top agribusiness honors was David

M. Wenger, son of Carl and Margaret Wenger, of Myerstown, Lebanon County, graduate of the ELCO FFA program.

More than 20,000 FFA'ers,

members of their families and guests attended the Stars Over America Pageant in which 779 FFA members received their American Farmer degrees.



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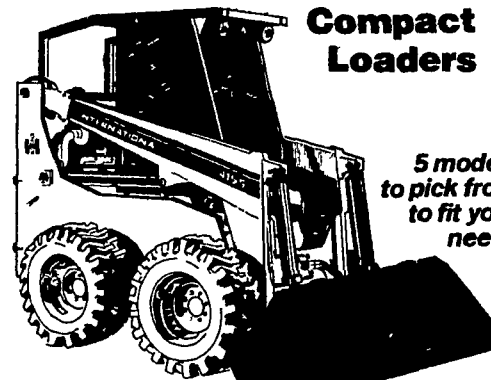
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Lift Cap* (lbs)	675	900	960	1300	2150
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Width (in)	34 1/2	46 3/4	46 3/4	55 1/2	62

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Ag technology on display in next weekend's farm tours

LANCASTER — The latest in agricultural technology, including energy conservation and embryo transfers, will be on display next weekend in a series of nine farm tours planned by the Lancaster County Farmers' Association.

The tours, scheduled next Saturday and Sunday from 1 to 5 p.m., are being held by the Lancaster County Farmers' Association as part of the group's

annual Farm-City Program.

Brochures describing the tours and listing the locations of the host farms are available at the Lancaster County Extension Office in the Farm and Home Center. They will also be distributed countywide through elementary school students.

Participating farms will be marked with a "Farm Tour" sign for visitors.

Ag operations which will be open to the public for the program include (The numbers preceding each operation correspond to those shown in the accompanying location map):

1-Dairy goat operation of Mr. and Mrs. Jacob Fisher. Follow Rt. 72 north to Manheim, past the Auto Auction turn right on Buck Noll Road. The farm is about three-fourths of a mile on the left.

2-The sheep farm of the William Longenecker family. Shearing and fitting demonstrations will be held. In Mt. Joy turn right on Fairview Road to Risser Mill Road. It is the first farm on the left.

3-Em Tran, one of the largest embryo transfer facilities in the area, will display its laboratory area and other buildings for recipient heifers. On Rt. 230, two miles west of Elizabethtown, cross bridge and turn right to the first farm on the left.

4-The dairy operation of the Nelson Hershey family includes about 70 cows. Follow Rt. 462 to Mountville, turn left on Hershey Mill Road and then left on Rohrer Road.

5-Energy conservation will be featured at the Nelson Habecker dairy farm. The Habeckers utilize solar panels not only to help heat their home but also for heating domestic water. In the barn, heat from the milk cooling compressor is used to heat water for cleanup and also to heat the milk house. FFA and 4-H exhibits and petting animals will also be located on the Habecker farm. Follow Rt. 462 to Mountville, turn left on Donerville Road and then right on Habecker Church Road to the second farm on the right.

6-Florys Mill, both a wholesale

and retail operation, will have a milling exhibit. From the south side of the Rt. 283 bypass, exit at McGovernville to the Florys Mill Road.

7-The Cherry Hill orchard operation of the Richard Haas family. Storage, packing and sales areas will be on display. Follow the New Danville Pike south to the operation on the right.

8-Farm 2 of the Haas operation, including a tour of the orchard and display of equipment. Continue

south on the New Danville Pike, cross the New Danville intersection and turn right on Long Lane.

9-The dairy operation of John and Abram Barley, including some 800 head of stock, along with cow and heifer barns among the largest in the area. Follow Rt. 999 to Washington Boro and south on River Road. Just beyond Turkey Hill Dairy, turn right on Chestnut Grove Road to the first farm on the right.

Zimmermans add a little milk

(Continued from Page A24)

Loren has also used Valiant and Ivanhoe Star in his breeding program. And Osbornale Ivanhoe has contributed to some of his breeding foundation.

One of the strongest cow families at Zimhaven Farm, began with an excellent Osbornale Ivanhoe daughter in the 1960's. Her daughter, a Very Good 86, remains in the herd today and has provided the Zimmermans with two Good Plus daughters and one Very Good 87.

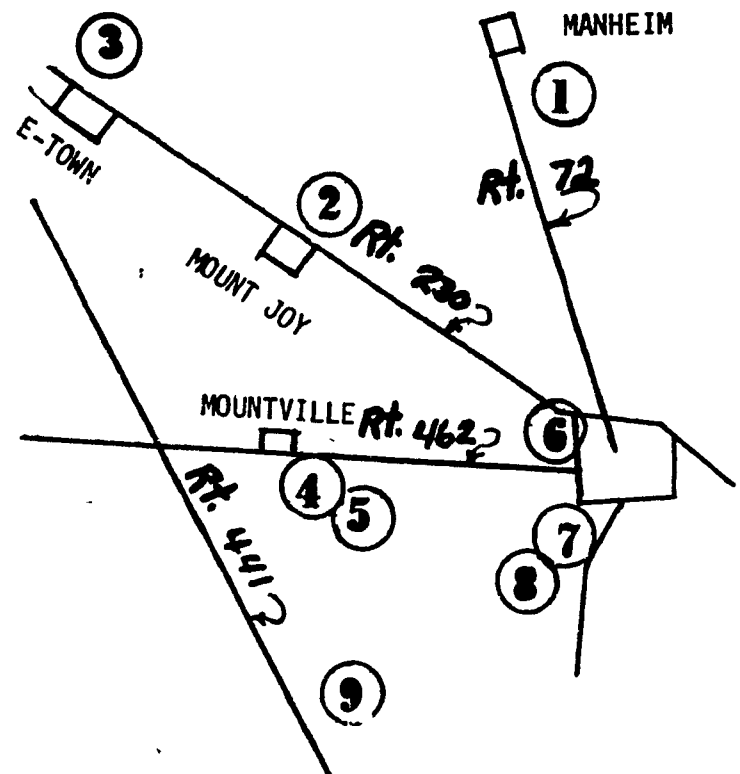
The East Earl couple have no immediate plans for expansion and intend to concentrate on just "catching up" on two years worth of animal registrations.

The Boston trip was a trade off. The Zimmermans received an education, both formal and informal, and in turn enlightened the city folks about dairying. It was an experience the friendly couple talk of with much enthusiasm.

"Don't be shocked," Loren teased, "if we do it again."



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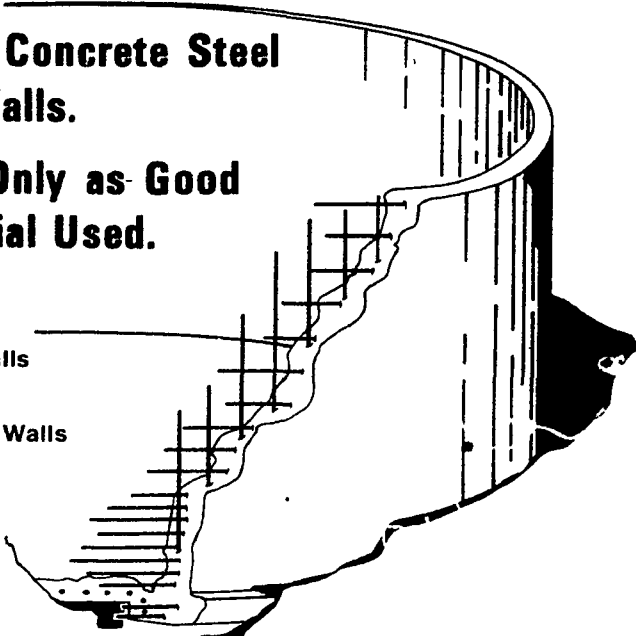
Map shows general locations of nine agricultural operations participating in Lancaster County's Farmers' Association tours next Saturday and Sunday from 1 to 5 p.m.

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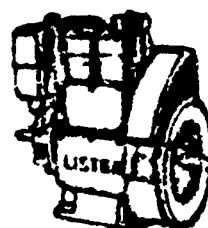
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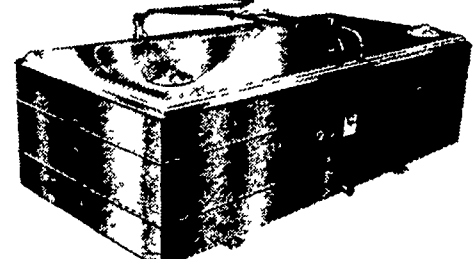
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Messick wins championship

(Continued from Page A1)

walking her steer three miles everyday.

Lori Good of Lancaster was named Reserve Champion showperson. Lori is the daughter of Mr. and Mrs. Paul T. Good of R6 Lititz.

This 15-year-old winner showed a 1330-pound Maine Anjou steer.

Deb Greider, R2 Columbia, who received grand champion title at the Lancaster County competition on Monday, finished fifth in the 1160-1215-pound class. Deb's steer was purchased by Hamilton Bank for 75 cents per pound. The bank plans to donate the steer to the county 4-H club for its annual banquet in February.

Coming in second in the lightweight division was Tammy Marsh, named Reserve Champion

of this class. Tammie is from Honey Brook in Chester County.

Other results from the district round-up are as follows:

Class One
915 lbs. to 1000 lbs.
1 Glenn Stoltzfus, Morgantown, 2 Karl Frey, R2 Quarryville, 3 Keith Hess, R4 Elizabethtown, 5 Kurt Hess, R4 Elizabethtown

Class Two
1010 lbs. to 1045 lbs.
1 Eileen Fairbairn, West Chester, 2 Robbie Rohrer, Nottingham, 3 Shannon Pugliss, Hershey, 4 John Hess, R4 Manheim, 5 Jane Endslow, Marietta

Class Three
1055 lbs. to 1095 lbs.
1 Tammie Marsh, Honey Brook, 2 Bill Wylie, Nottingham, 3 Bill Coyne, Quarryville, 4 Kelly Rohrer, R5 Manheim, 5 John Kettering, R7 Manheim

Class Four
1100 lbs. to 1115 lbs.
1 Sheila Fairbairn, West Chester, 2 Gini Nissley, R5 Manheim, 3 Beth Weiler, Drumore, 4 Tiffany Rohrer, Nottingham, 5 Anita Meck, Willow Street

Lightweight
Champion Sheila Fairbairn, Reserve Champion Tammy Marsh

Class Five
1120 lbs. to 1155 lbs.
1 Craig Esbenschade, Lancaster, 2 Dan McCoy, Lancaster, 3 Julie Greider, R2 Columbia, 4 Melanie Rohrer, R5 Manheim, 5 Judy Gish, Elizabethtown

Class Six
1160 lbs. to 1215 lbs.
1 Dwayne Messick, R2 Elizabethtown, 2 Mike Messick, Middletown, 3 Nelson Beam, R2 Elverson, 4 Gerald Hess, Conestoga, 5 Deb Greider, R2 Columbia

Class Seven
1220 lbs. to 1275 lbs.
1 Tracey Landis, R2 Quarryville, 2 Crystal Meck, Willow Street, 3 Pamela Wenger, Stevens, 4 Jill Kettering, R7 Manheim, 5 Chad Rohrer, R5 Manheim

Class Eight
1290 lbs. to 1405 lbs.
1 Sally Messick, Middletown, 2 Lori Good, R6 Lititz, 3 Barry Geib, R4 Manheim, 4 Ed Nissley, R5 Manheim, 5 Patti Greider, R2 Columbia

Heavyweight
Champion Dwayne Messick, Reserve Champion Tracey Landis

Grand Champion
Dwayne Messick
Reserve Grand Champion
Tracey Landis

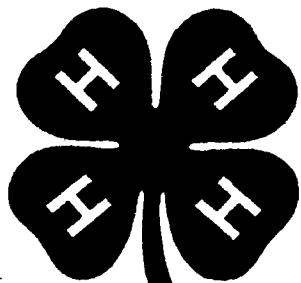
12-14 yr. old
1 Lori Good, 2 Ken Walker, 3 Glenn Stoltzfus, 4 Kelly Rohrer, 5 Sally Messick

Showmanship
11 & under
1 Tracey Landis, 2 Tiffany Rohrer, 3 Julie Greider, 4 Brent Fox, 5 Ginny Nissley

15 yrs. & older
1 Sheila Fairbairn, 2 Eileen Fairbairn, 3 Nelson Beam, 4 Bill Coyne, 5 Crystal Meck
Champion Showman
Sheila Fairbairn
Reserve Champion Showman
Lori Good



Reserve Champion honors in the showmanship division went to Lori Good of Lancaster County. Lori showed a 1330-pound Maine Anjou.



Sheila Fairbairn of Chester County received Tuesday. Her entry was a 1105-pound the top showman title for the district show, Limousin crossbred.



Tracey Landis of Quarryville sold her for \$1.06 per pound. This purebred Angus reserve champion steer to Willie the Butcher weighed in at 1230 pounds.



Lancaster Farming publisher Robert G. Campbell presents a \$300 check to Chris Little of Kirkwood for placing as reserve champion in the showmanship division.



The Angus Chianina crossbred calf was presented to Deb Greider for being named top showman at Lancaster County's show on Monday. The Intelligencer Journal, donor of the calf, is represented here by editor William Schultz.



Stacy Nestelroth of R5 Manheim sold her county champion market lamb to Willie the Butcher for \$2.52½ per pound.

? That's A ? Good Question

Some people have such a way with words, as does Gene Odato who is looking for a duck plucker. Well, Gene, you've added a little humor to our office, yet we've decided to take you seriously. Can anybody help Gene who writes:

Where can I buy rubber fingers for a duck plucker? They are scarcer than a three-legged duck. I've checked all around Lebanon County to no avail. Can you help me?

All plucked out, Gene Odato

Another reader writes:

Can you send me instructions to make the house tissue holder as pictured in a homemaker's story on page B20?

Elfriede Gehman Salfordville

Well, Mrs. Gehman, we finally tracked down the pattern to a

company in Georgia. After a phone call, we found out you can order the pattern by writing to Ginger Snap Station, P.O. Box 81086, Atlanta, GA, 30366. The price for one pattern is \$2 plus \$1 for postage and handling. Good luck. The pattern number is 3902—you must include this information.

Could you please send me the name and address of a Mitchell Energy and Development Corp. representative who could tell me more about the fiberglass substance used to prevent roadway erosion in an article on page B31 of the October 31 issue?

Paul Feucht, Maryland

Mr. Feucht:

You can contact the company by writing Mitchell Energy and Development Corp., 6270 Busch

Dauphin Co. holds woodland management field day

HARRISBURG — The Bureau of Forestry in cooperation with the Dauphin County Agricultural Service Center will sponsor a Woodland Field Day next Saturday, November 21, from 1 p.m. to 4 p.m. on the Harlan Reinfield Farm

Blvd., Columbus, Ohio, 43229. You will want to get in touch with Patrick Noyes. If you prefer to call, try 614-888-7882. Good luck.

north of Halifax. (In case of rain the program will be held at the Halifax High School.)

The five part program will address harvesting methods, timber sales, consulting foresters and gypsy moth control. For fuelwood cutters, a chain saw safety and tree felling demonstration will be a part of a "trees for firewood" session.

For additional information, call the Dauphin Ag Service Center at 717/652-8460.

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PFA sets policy on animal rights, water rights

BY SHEILA MILLER

HERSHEY — Farmers from across the state converged on Chocolate Town USA once again for the 31st Annual Meeting of the Pennsylvania Farmers' Association. The three-day event kicked off Sunday afternoon at the Convention Center and wrapped up early Wednesday afternoon with an 'overtime' delegate session.

The annual meeting is a time of work, fun, comradeship, and sharing experiences from back home on the farm for the men and women of PFA.

This week county delegates voted on nearly 150 proposed resolutions — some rejected, some accepted, and some amended and passed. These delegates also left the convention with awards to share with the members back home, along with advice and information provided by keynote speakers like Governor Dick Thornburgh, American Farm Bureau Federation Vice President Cecil Miller, commodity adviser David Sauder, and experts on the animal rights issues.

Some of the key resolutions adopted by the delegates were:

- ★ That PFA appoint a study committee to investigate beginning farmer programs in other states and then developing such a program suitable to Pennsylvania;
- ★ That PFA should take an active part in educating farmers as to the pros and cons of the new advertising program for milk;

- ★ That because Pennsylvania's 1981-82 budget contains \$800,000 for cost of operation and enforcement of Pennsylvania's Dog Law and because Pennsylvania dog license fees have not been increased since 1923, that the license fees be increased \$1 for both male and female and that the increased fees be placed in a fund for indemnity payment for livestock and poultry destroyed or damaged by dogs;

- ★ That, for Bang's disease, cattle dealers be treated the same as farmers on quarantine disinfection program; that action be taken by the Agriculture Department for violation—licensing revoked and no member of the family be allowed to continue in the same business;

- ★ That all female calves be vaccinated between 4 through 8 months of age against brucellosis and that the Agriculture Department furnish free vaccine.

- ★ That interstate health charts and regulations controlling interstate movement of cattle be standardized for all states;

- ★ That PFA endorse and support the Pennsylvania Milk Promotion Referendum and that it be held as soon as possible;

- ★ That the importance of agriculture be taught in the elementary grades;

- ★ That PFA support reasonable regulation to safeguard environmental quality during oil and gas drilling and development; that leasing terms remain within private enterprise; and that landowners carefully study and negotiate lease terms before signing an oil or gas lease;

- ★ That fire companies and other emergency personnel serving farming communities include in their training sessions on the proper handling of farm related accidents, such as farm fires, farm equipment emergencies, barn fires, silo fires, and manure pit and silo gas;

- ★ That, as an incentive to any farmers who would enter into a deed restriction binding them to retain their farmland in agriculture for 25 years, legislation be drafted to provide reduced rate of interest loans to those who meet certain eligibility requirements;

- ★ That there be no minimum acreage for an ag area;

- ★ That PFA support the identification of market hogs through auctions with the use of slap tattoos and metal ear tags for feeder pigs;

- ★ That poultry and egg buyers should come under and be included in the Packers and Stockyard activities;

- ★ That PFA support legislation to place responsibility for the loss of water or water damages by operations, such as drilling, or logging, mining, construction, and to guarantee just and adequate compensation to farmers for damages suffered due to said practices or activity;

- ★ That each state lease an area of state-owned land to a private hazardous waste company for disposal of such waste;

- ★ That family farms with partnerships should not have to pay FICA tax for children under 21 years of age;

- ★ That the occupational tax be eliminated and replaced with a per capita tax or earned income tax;

- ★ That PFA oppose a business use and occupancy tax;

- ★ That daylight savings time remain as it is;

- ★ That all imported agricultural products be subject to the same inspection, sanitary, quality, labeling, and residue standards and upgrading a product as domestic products. Any products that do not meet these standards should not be permitted entry;

- ★ That when an embargo is imposed against any country, then all exportable goods should be included;

- ★ That the American Farm Bureau vigorously support moving



Hard at work, PFA delegates from Lancaster, Lebanon, and other counties around the Commonwealth debate and move on

resolutions the farm organization will support throughout the coming year. Much time was spent on animal and water rights issues.

CCC stocks to the highest bidder on the world market;

- ★ That PFA support the reclassification of casein imports so that they are considered as food rather than chemicals and so that they will come under the auspices of and be subject to the minimum requirements established by the Department of Agriculture and support the establishment of quotas on casein imports based on historical averages;

- ★ That a law be passed that would spell out the standards for various natural milk product cheeses. Any product similar in appearance, odor or taste must meet these standards or not be allowed to use the name cheese;

- ★ That the current annual registration of commercial brands and grades of fertilizer be reevaluated; that the current penalty factor relating to the nutrient deficiency be reevaluated; that deficiency payments should not be more than the dollar value of the deficiency; that the product must maintain at least 97 percent of total commercial value; that a civil penalty for flagrant violators of the Fertilizer Act be imposed up to a maximum of \$10,000 on the third or subsequent violation.

Two resolutions that commanded considerable time and debate by the delegates involved the issues of animal and water rights.

In their animal rights policy, PFA members agreed that PFA, AFBF and county associations need to work to educate the public about accepted animal husbandry practices and the benefits of these practices to consumers. They voted to oppose any legislation that would regulate these husbandry practices, and agreed to oppose any committee formed to study and make recommendations on these practices.

The PFA delegates also spelled out that research projects conducted by the Department of Agriculture be done to produce facts that determine if stress affects animal health. Their policy calls for no public money to be used to advance the animal welfare cause and that if humane education is taught in schools, it should include an explanation of the practices and values of accepted animal husbandry techniques.

On the water rights issues, PFA voted to support the right of the individual for the use of water in connection with property rights, including the management of water for reasonable and beneficial use. They also support the concept of empowering the state to formulate a plan for implementation during drought or

other water shortage emergencies, for management of water use by identifying priorities of water use and that management actions be taken at various stages of such an emergency.

PFA has called for agriculture to be given a high priority in case of an emergency situation and supports the encouragement of conservation measures. The farm organization also supports the property owner's right to groundwater, that individuals should be able to sell their right to water in order to efficiently allocate water within a basin, and that individuals be able to develop water resources only to the point they impact on other uses within the groundwater basin.

The farm organization's new policies seem to fall in line with the advice the members received from Governor Dick Thornburgh on Monday during a luncheon address.

"Demand no less of state government than you demand of yourselves," said Thornburgh, adding that government should follow "the examples of hard work

and sound financial management that always have characterized the successful family farm. . . let the General Assembly know you're tired of watching government spend more than it has, at the expense of others."

The governor called for prompt legislative action on budget cuts and a trimming of the state's burgeoning welfare rolls.

State Agriculture Secretary Penrose Hallowell addressed the serious farm community problem — litter, during the PFA meeting on Monday. He cited the negative impact littering has on the rural beauty along with the problems it can cause by contaminating feed, injuring livestock, of causing other accidents.

Hallowell commended the PFA Women's Committee for encouraging 54 county Farmers' Associations to participate in the 'cleanup' program and pledged PDA's support in education efforts.

"We all have a stake in keeping Pennsylvania clean," he said, "whether we're farmers, business people or consumers."

PFA elections

(Continued from Page A1)

Governor's Seasonal Farm Worker Committee.

Eckel is a graduate of Keystone Junior College, LaPlume, and he holds a B.A. degree in political science from Dickinson College, Carlisle.

Back on the farm, Eckel, along with father Fred and brother Doug, milks a herd of 90 Holsteins and farms more than 800 acres in Lackawanna and Wyoming counties. In the vegetable and cash grain business, the Eckels produce 400 acres of corn and 280 acres of tomatoes, pumpkins, and other truck crops.

They sell over 800 tons of high moisture corn each year and ship more than 100,000 boxes of tomatoes to markets as distant as Puerto Rico. Their pumpkins make more than 400 kids from Boston to Baltimore happy each year as they carve them into funny, scary, unique Jack-O-Lanterns.

Gayman operates a 170-acre dairy farm near Chambersburg. He is a member of Eastern Milk Producers Cooperative and has served as president of the Boiling Springs local and secretary of District 15. He was named Eastern's Member of the Year in 1978.

Other farm-related organizations to which Gayman has pledged his time and support include the Pennsylvania Council

of Farm Organizations and D.E.R.'s Water Resources Policy Advisory Committee. He is a charter member of the Franklin County Young Farmer Association.

Along with his farm organization service, Gayman also has been active in his community, serving on the Chambersburg Area School Board since 1963 and serving as school board president for 5 years.

Gayman is married to the former Evelyn Wingert, Chambersburg. They have two son and two daughters.

Berks County's Roy Christman, R1 Hamburg, and Snyder County's Charles Benner, R3 Middleburg were elected to the PFA Board of Directors, replacing Arthur Hershey of Cochranville and Russell Hummel of Selmsgrove whose tenure did not allow reelection. Directors who were reelected included: James Capucci, Mehoopany; Frederick Tiffany, Athens; Horace Waybright, Gettysburg; Joseph Johns, Davidsville; Mrs. Richard Rhoades, Emlenton; Elder Vogel, Rochester; and Fred Slezak, New Alexandria.

On the Women's Committee, Nellie Crawford, Port Royal, Juniata County continues as president and will be assisted by Joyce Sankey, R2 Clearfield, who was elected vice president. Sankey replaces Mrs. Richard Rhoades.

PFA presents Star, Service awards

HERSHEY — Three counties received the highest honors awarded by the Pennsylvania Farmers' Association during their Tuesday evening banquet, held here at the Convention Center.

Berks, Dauphin and Union counties were given the Star status for having achieved their goals in seven major categories during the past year — membership gain, advisory councils, women's activities, public affairs, business services, information and public relations, and agricultural marketing activities. Accepting for the respective counties were John Koch, Berks president; Bruce Corsnitz, Dauphin president; and David Dietrich, Union president.

Counties receiving star awards

for six program areas were: Lancaster, Centre, Clearfield, Montour, Adams, Mifflin, Crawford and Erie.

Five star counties were: York, Washington, and Franklin; four star awards went to Bucks, Lehigh, Somerset, Clinton, Northumberland, Cumberland, Snyder, Clarion, Mercer, Schuylkill/Carbon, and Wayne; three star awards went to: Chester/Delaware, Blair, Armstrong, and Beaver/Lawrence; two star counties were: Indiana, Lycoming, McKean/Potter, Juniata, Perry, Bradford/Sullivan and Northampton/Monroe; the one star counties included: Lebanon, Montgomery, Bedford, Cambria, Fayette, Greene, Westmoreland.

(Turn to Page A33)

PFA women hear animal rights issues

HERSHEY — Pennsylvania Farmers' Association Women's Committee President Nellie Crawford, Juniata County, announced that "it's time for the women of PFA to become more

active". She was addressing the group during the PFA annual meeting held here this week. As part of their involvement in key agricultural issues, the women sponsored a panel discussion of

animal rights — featuring various experts in the field of animal husbandry and behavior.

A USDA veterinarian, Dr. Dale Schwindaman, spoke to the group about his involvement in writing the regulations and amendments of the Laboratory and Animal Welfare Acts and the history of this type of legislation on the national level.

Schwindaman announced that USDA recently has been given \$380,000 for research related to animal welfare. These funds will be used to study present animal husbandry practices in an effort to determine statistics and facts to present to Congress on whether there is a problem.

According to the APHIS vet,

legislation on animal welfare has been on the books since the late 1800s. The early regulations governed the rail and water transport of livestock and required that animals be fed, watered, and rested at intervals of 28 hours. The time period, in reality, was 36 hours, Schwindaman explained,

(Turn to Page A34)

PFA presents awards

(Continued from Page A32)

Tioga/Potter, Fulton, Huntingdon, Butler, Elk, Jefferson, Columbia, Luzerne, Susquehanna, and Wyoming/Lackawanna.

PFA's 'Distinguished Service Award' was presented posthumously to Taylor A. Doebler Sr., Lycoming County. Doebler was recognized as a pioneer in the development of modern hybrid seed corn for the Northeast.

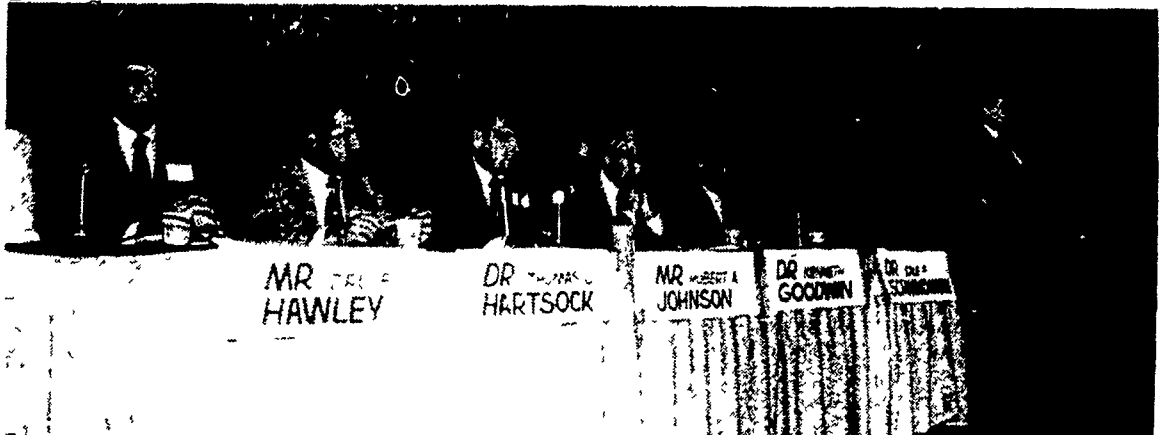
PFA President Keith Eckel presented the award to Doebler's son, Taylor A. Doebler Jr. on Tuesday evening.

Doebler, who died Sept. 16, founded T. A. Doebler and Son, Doebler's Pennsylvania Hybrids Inc. and the Pine Creek Seed Farm which research and produce seed

corn for distribution in the Northeast.

The seed corn pioneer was active in his farm community and was interested in conservation. He organized the Agricultural Stabilization and Conservation Committee in Clinton County and was a committee member from 1940 to 1949. Doebler also helped organize the Clinton County Conservation District in 1956 and was appointed to the state conservation committee in 1967.

Doebler's interest in hybrid seed corn research began in 1937 at the Pine Creek Farm. Over the years, he provided test plot land for Penn State researchers and served as a member of the ag research advisory council at the University.



The PFA Women's Committee sponsored a panel discussion on the animal rights issue during Tuesday's annual meeting program. They heard from various experts, including

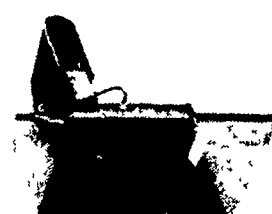
animal behaviorists, an APHIS veterinarian, AFBF political lobbyist, and a representative of the Massachusetts SPCA.

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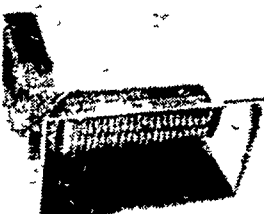
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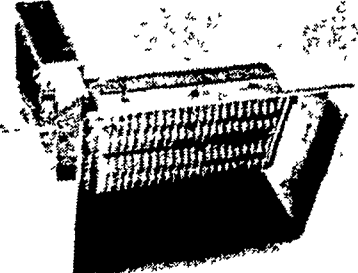
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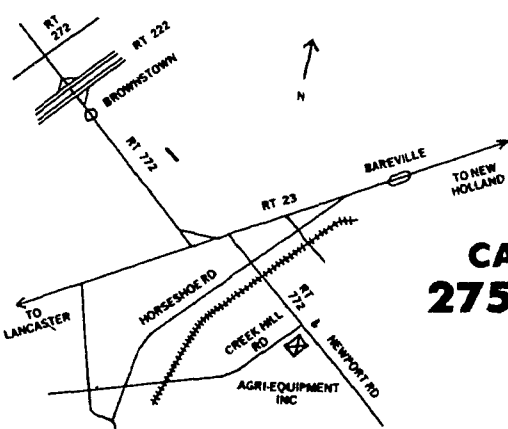


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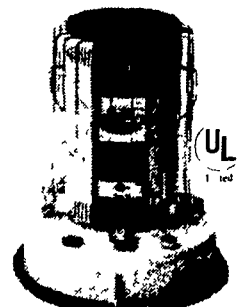
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Animal rights

(Continued from Page A33)

since rail carriers could sign waivers.

In 1959, the federal government passed the Humane Slaughter Act and in 1966 the Laboratory and Animal Welfare Act was adopted. The veterinarian pointed out the 1970s saw the "evolution of how society feels about animals." The Horse Protection Act was passed in 1970 and the Animal Welfare Act was amended. Legislation to protect wild horses and burros was created, too. Then in 1976, both the Horse Protection and Animal Welfare Acts were once again amended.

Schwindaman noted the animal welfare groups are concerned about the rights of animals, a movement that began in Europe. "We must try to understand their concerns," he advised. "They are reasonable people for the most part. We must be careful not to become polarized."

Penn State's Kenneth Goodwin, head of the Poultry Science Department, voiced his opinion that farmers are under a mandate to produce livestock as efficiently as possible, while keeping the welfare of those animals in mind.

Over the years, farmers have seen a transition in animal husbandry that moved livestock and poultry from a range situation to confinement in order to control predators and execute proper management.

Calling on his experiences in the poultry field, Goodwin noted "birds in cages today produce as well as, if not better than, floor-raised bird. He stressed the caged birds' "livability" was better than range or floor birds.

With improved health and feeding management, Goodwin stated poultry producers have been able to surpass goals in feed conversion in the broiler business. Instead of producing a 4-pound bird with 12 pounds of feed in 12 weeks, producers now can produce a 4-pound bird with 8 pounds of feed in 7 weeks.

"There has been no time in the history of the world when people have been able to eat as cheaply or as safely as today," Goodwin exclaimed. "And farmers are being criticized for doing this."

Goodwin conceded there are some management practices that might need changing, however, and suggested that discussions on animal welfare be kept open — basing these debates on things that can be measured, such as fertility, productivity, and abuse.

The poultry scientist defined animal rights as 'antropomorphism' — assigning human feelings and thoughts to animals. "When I'm asked how I'd like to be kept in a cage, I respond that I wouldn't. But, neither would I like to eat my own feces like rabbits do, or eat regurgitated seafood like seagulls do, or

hibernate all winter like bears.

Robert Johnson of the Massachusetts Society for the Prevention of Cruelty to Animals told the group his agency's task was to "prevent cruelty to animals."

"There is a growing concern and awareness among nonfarm, nonlivestock people about animals used to produce food," he explained. "People over the years have made an intentional blank in their minds between the animals and the end product. Now they're asking 'Does the end justify the means? Are bargain prices worth the way animals are raised?'"

Johnson noted that original animal welfare concerns centered around horses — overworking and overdriving. But now they concern all management systems — overcrowding, deprivation of feed and water, absence of social behavior.

"Neither the livestock industry or the humane groups could condone flagrant cruelty," Johnson stated. "The issues need to be defined and measured."

University of Maryland's Thomas Hartsock, associate professor of animal science, commented that farming and nutrition cannot be separated. He said farmers have been asked by consumers to take a closer look at how and why they're doing things. However, he asked, "Are farmers obligated to keep their animals better than Mother Nature would?"

Farm Bureau's Bruce Hawley brought the group up-to-date on federal legislation concerning animal rights. House Joint



PFA President Keith Eckel delivered his luncheon speech to the conference participants on Tuesday, voicing his concerns for the family farm and its public image as well as the future for farming and PFA.

Resolution 305 which would create a study group to look at the economic, scientific, ethical, and environmental aspects of animal husbandry has been sent to the

Agricultural Committee. "This legislation won't see the light of day in this administration," he predicted.



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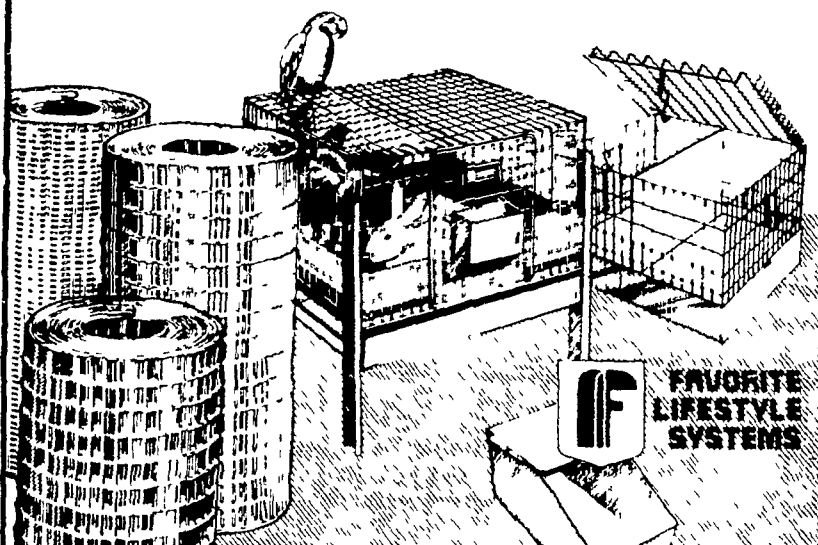
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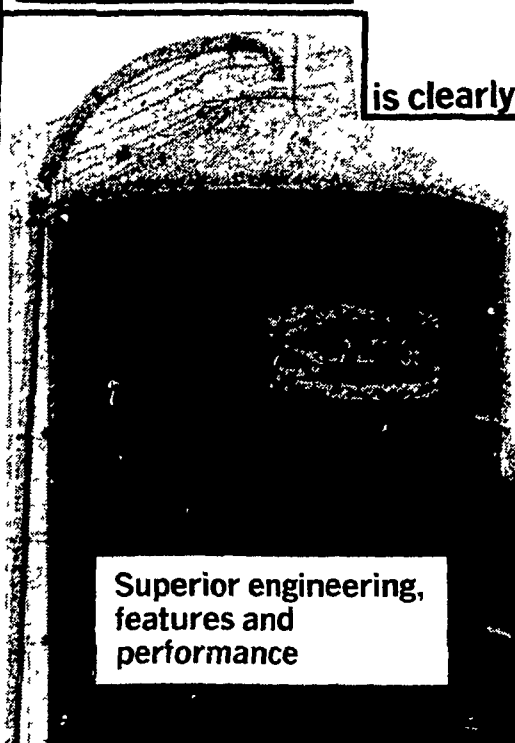
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MILK MARKET NEWS

(Continued from Page A22)

and juice drinks—apple, orange, grapefruit and chocolate milk, several companies are ready to package whole milk in aseptic packages.

The process claims that the shelf life, with no refrigeration, can be extended to eight months. The processing cost is 20 cents per quart more than the conventional high temperature short time procedure. This processing cost difference will discourage the usual milk consumer for every day use.

Dairymen, Inc., the large cooperative headquartered in Louisville, KY, is building a new plant for processing and packaging a line of ultra-high products.

A west coast firm, Valley Fresh, has been providing the long-life product to the military and institutions and has announced its intention to enter supermarkets shortly.

Don't look for aseptic milk to capture a significant share of the fluid market in the next few years. Taste tests of the product show mixed results when aseptic is compared to fresh whole milk on a flavor basis. Even if flavor is a constraint today, it is likely that the problem will be worked out in time.

At least a half dozen firms are scheduled to take steps leading to the aseptic milk packaging during 1981.

Maryland ag honorees



AG HONOREES—Recipients of Certificate of Merit Award in Agriculture pose with Frank L. Bentz, far right, University of Maryland, Vice

President for Agricultural Affairs and Legislative Relations, during the 16th annual Maryland Agricultural Forum held Nov. 4 on the College Park Campus. Shown, from the left, with Bentz are J. Gordon Warfield, Marriottsville, (Howard county); W. Simpson Dunahoo of Hebron, Wicomico County, and John T. Stiles of Silver Run, Carroll County. Also receiving an award but not present during the ceremonies was Anthony J. Rubino of Hagerstown, Washington County. The award is presented annually to outstanding leaders who have made a significant contribution to Maryland agriculture and family life.



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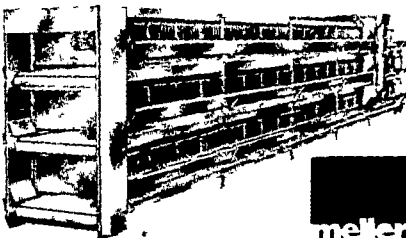
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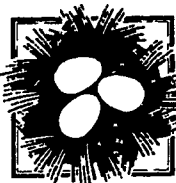
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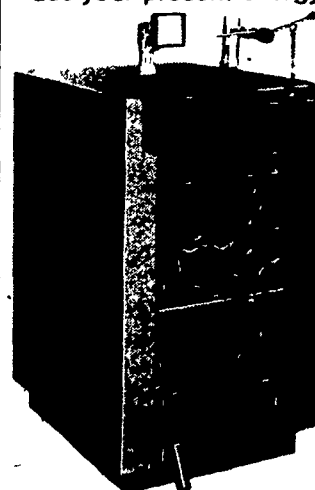


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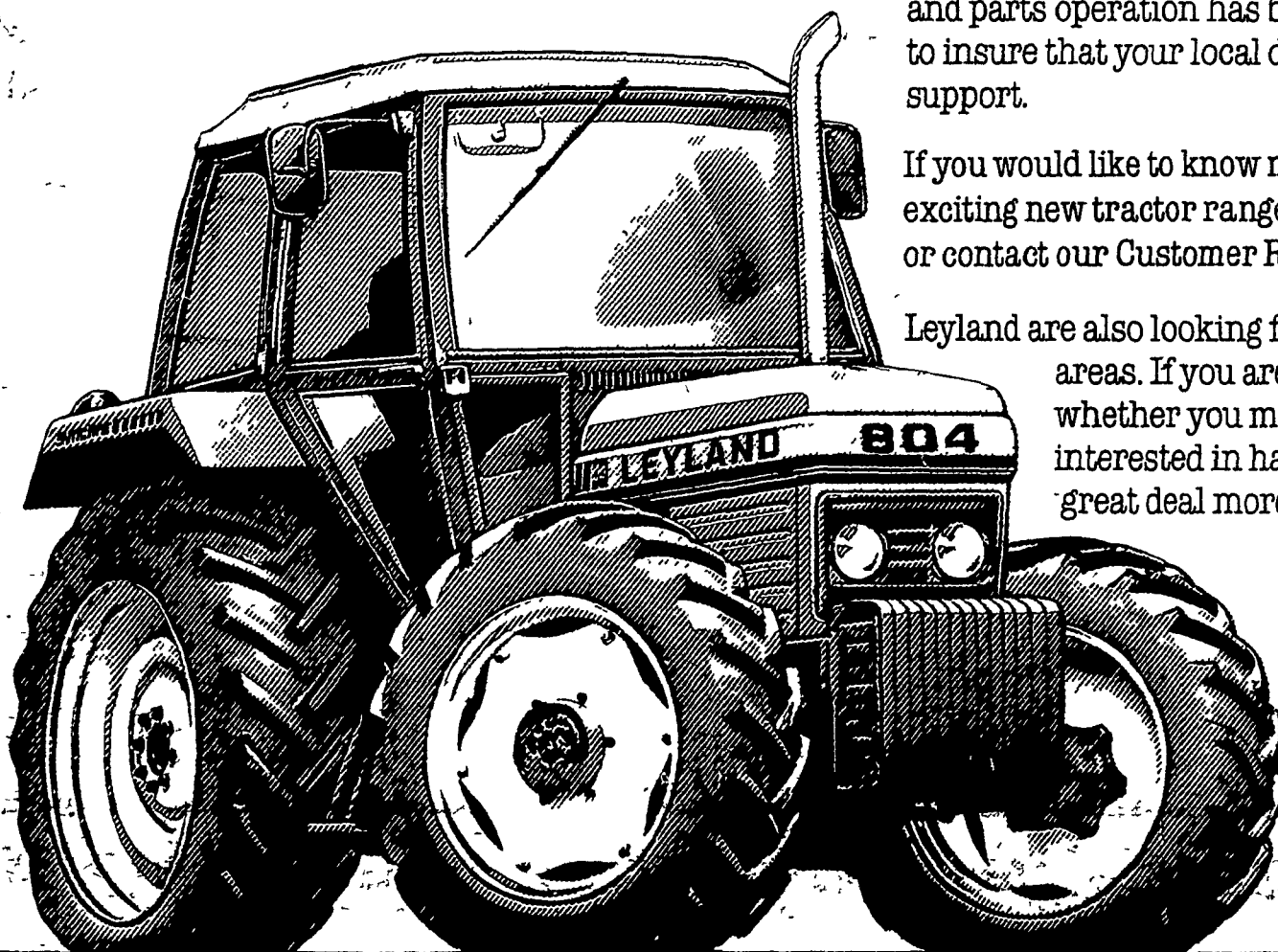
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Meet Lancaster County's new Farm Women president

Fran Sauder shares love of work, cooking

BY SALLY BAIR
Staff Correspondent

"After four years of training, you know it's coming and it's time to step in."

Those were the thoughts of Fran Sauder, Mount Joy R3, a few days before she assumed the presidency of Lancaster County's Society of Farm Women. She had served two-year terms as both second vice president and first vice president.

Fran said she felt the time was right and she was ready to accept her responsibility but she expressed awe that the organization has been going for 64 years. "We've been going for that long. In my term I want to keep everything going as it has been," she said.

About her role, she says, "Being president is a way of serving. You learn to know so many different ladies and you can pick out outstanding ladies as you visit different societies. There are lovely ladies and you can build up a friendship in this capacity as a county officer."

Fran has been a member of a Farm Women Society since 1967 when she became a charter member of #27. "It sounded interesting and I just wanted to get involved," she recalls as her reason for joining.

She sees one of the most important aspects of the Societies as "fellowship," adding, "We wouldn't want to give up the fun and the fellowship. In our busy lives we need to take time off. In my society I feel at home, and when I am there I relax and enjoy it."

As first vice president she had

the opportunity to go through each society's activity and make a summary for the annual convention held Saturday.

She says, "The women are very involved in their Societies. One Society did 10 different things. I am impressed with where the Societies give their money." All the women go out and help others and give money to the needy. But I am really thrilled that they also give of themselves. They go and visit and often take meals to the less fortunate."

Fran expressed pleasure that the Societies keep themselves up to date on many issues, mentioning speakers on topics like wood-burning stoves, silo gas and gas in manure pits. "They keep themselves up to date. This year Hospice has been used quite a lot at meetings, and there have been programs on health problems," she stated. While many programs are enjoyable and fun, most are of educational value.

"Doing and helping in their communities," is an important part of Farm Women, and Fran adds, "Just by living our lives and letting it shine out and showing what a farmer is we are serving. A word of cheer or a friendly smile is what goes furthest in our busy world. It is the small things that add up." There are so many ladies who think they can't do anything, but it is the small, simple things that count."

Fran sees Farm Women Societies as being different from other women's groups because, "Their interests are geared to sharing and doing for others. We

do a lot of that. We share a common bond. We are all worthy to share of ourselves in small ways."

Fran herself is a perfect example of someone who is doing and sharing for others in a humble, unassuming way.

A long-time 4-H leader, Fran is very well known for her cake decorating abilities which she shares with 4-H'ers through the Mount Joy Community Club. This brings Fran rewards long after the project is finished when former 4-H'ers call for advice as they branch out into making cakes for others. "Many are making wedding cakes and call for advice in how to assemble them, or want to know something they forgot," she says.

Now Fran's talents have stretched far beyond just decorating cakes. An excellent cook, Fran is now in the catering business with her husband Roy, something that began when a friend asked her to serve a wedding reception. "There was no planning, it just happened one step at a time," Fran relates.

That was four years ago, and now Fran may go out as many as four times a week. While the preparation is done in her farm home kitchen—large, but not out of the ordinary, Fran does all the cooking at other facilities, such as churches or fire halls. She likes to cook at the place where the food is being served to avoid a leftover flavor.

"I just think I'm using God's talent to go out and serve. It spread by word of mouth. I never did any advertising, and that is satisfying," she says.

Fran also likes her catering work because she and her husband share. He helps prepare the meat and potatoes at home, and does a lot of the carting in and out. But he really comes into his own when he takes over the stoves in the facilities they are using and supervises the cooking while Fran goes over the details of serving.

She also credits the help of her sister Mary Lou Sauder and two couples who are friends, Wilmer and Ruth Nissley and Raymond and Ruth Brubaker, with helping her catering be a success. She says



This lovely arrangement of vegetables greets visitors at the Sauder home. Featuring seasonal items from the garden, it has an old school desk as the base. Fran adds some fresh flowers to the picture.

she plans to rely heavily on them during her term as Farm Women president when she will have other obligations to fulfill.

An original idea with Fran is a pie bar, which allows diners to cut their own slice of pie and dip their own ice cream. "It works out really nice," Fran says, "I usually make five or six kinds of pie, and sometimes I'll make a cake." Her next step is a cake bar, which she is trying soon.

Fran will not cater an event for less than 30 people and has cooked for over 400. She also has no desire to begin hosting such events in her home, although it has frequently been suggested.

How did she develop this ability? Fran laughs and says, "My mother and mother-in-law were good cooks and we always had a hired

man so we had two full meals a day." It has given her pleasure to have the brides of her hired men call and ask for recipes. "They enjoyed my cooking, and when they visit they'll often visit at meal time. I like that feeling. They are always welcome and they know it."

Fran is also the mother of four children so has had lots of experience preparing food for them. Her children are Nancy, 27; Roy, Jr., 25; Jim, 21 and Glenn, 18, who is still living at home.

She says, "It was exciting for me to figure out 10 or 15 times a recipe and figure out the cost. I learned a lot by trial and error and when we were finished we often asked how we could improve something." She says she keeps very good records to help her.

Isn't all this cooking a lot of work? Fran says, "I take one day at a time. I have always enjoyed cooking and it's fun to be cooking again for more people." She admits she missed the large amount of cooking with just one child at home.

She makes all her own rolls and pies, but doesn't like to freeze things ahead. Therefore, she has been known to get up at three in the morning to begin her homemade rolls which take four hours of rising time. She added, "I plan ahead and make my pie crumbs in advance. I roll out my pie crusts a day or two ahead."

Fran will cook whatever people ask for it is something she can handle, but she said she gets a lot of compliments on her "good old-fashioned cooking."

About the catering business she says, "It has added a new dimension to our lives. We have met lots of new people."

While cooking is a big interest at the moment, Fran is very good with her hands in other ways, and likes to do crewel and needlepoint in her free time. She says with a laugh, "I have a whole drawerful of things to do. I'll never grow old and not have anything to do."

She says, "We love to travel and we want to do more of that."

In the travel department they had their dream come true last summer when they traveled to Germany and met a friend of Roy's

Homestead Notes



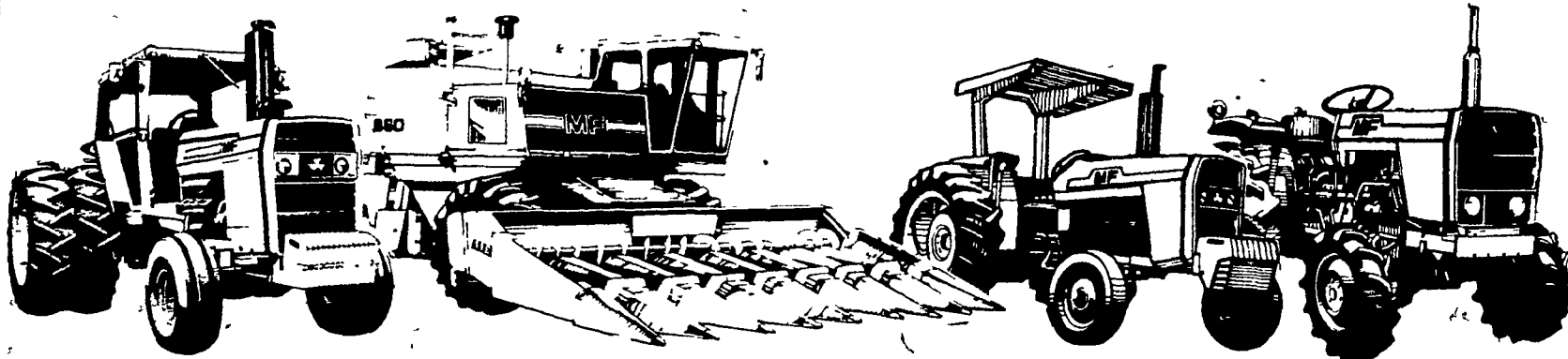
Posing in front of a shelf unit she designed to hold her hobby, Fran can explain the significance of the fifty varied tea

cups found there.

(Turn to Page B4)

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Peanut butter, a hit with Americans

LANCASTER — Peanut butter and jelly, peanut butter and banana, peanut butter and apple slices — the list of "peanut butter and" sandwiches goes on and on. Then there are peanut butter cookies, peanut butter fudge, and even a delicious peanut butter soup.

No wonder Americans suffered during last winter's peanut shortage. The good news is that this year's crop forecasts are good, according to Greta C. Vairo, Extension home economist with the Extension service.

Peanut butter as we know it today evolved from research in the 1920's. A major development was

the introduction of stabilizers which prevent oil separation inside the jar. Easier to use and to store, stabilized peanut butter became the choice for most consumers, and the peanut butter use greatly increased.

Another milestone was the establishment by the U.S. Food & Drug Administration of a "Standard of Identity" for peanut butter. The standard, effective in 1971, set up the following major requirements for any product sold as peanut butter: peanuts must account for at least 90% of the content, and the remaining ingredients are limited to salt, sweetener and stabilizer. The

standard rules out use of artificial flavors and colors and chemical preservatives.

If a product fails short of the 90% peanut mark or fails to meet the other requirements it can't be called peanut butter. That's why you'll see some products labeled "imitation peanut butter" or "peanut spread." They simply do not fill the standard for peanut butter.

Just because there is a standard of identity, don't assume that all peanut butter is the same. There are differences in flavor among brands, and manufacturers devote much attention to the roasting process and the types of seasonings to achieve ideal flavor.

Aside from brand choice, you can also select smooth or crunchy peanut butter. Industry sources say that smooth outsells crunchy about three to one.

In recent years there has been something of a revival of the old-fashioned product which contains 100 percent peanuts and the oil still

Penn State offers nut course

LANCASTER — Of the many kinds of nuts grown in this country, the walnut may be the most important. The black walnut, native to most of the eastern and central United States, is eaten at home but is not as important commercially as the English walnut grown near the Pacific coast.

Black walnut trees come in varieties with many different growth habits and characteristics

according to a Correspondence Course written by Penn State specialists. This course, titled Edible Nut Production discusses walnut varieties and teaches the culture of these food-producing trees.

Discussed in the course are points to consider in judging nuts; cracking quality, kernel flavor, nut and kernel size, and how well the nuts are filled.

Named walnut varieties differ in good points. The Stambaugh, a dependable yielder of large nuts, is planted often for commercial production. The Stabler is a favorite for home plantings because of its thin-shelled nuts.

The culture of chestnuts, hickories, hazels, and filberts are included in the course. The complete course on edible nuts is available to you by sending \$10, including postage, to NUTS, Box 5000, University Park, PA, 16802. Make check payable to PENN STATE.

Fran Sauder shares experiences

(Continued from Page B2)

with whom they had been corresponding since high school days. After visiting with these friends in northern Germany, the German son returned to the United States with the Sauders and spent three weeks in Lancaster County.

A member of Erismans' Mennonite Church, Fran serves as youth advisor and Sunday School teacher to fifth and sixth graders there.

While the Sauders do not have a large garden, Fran does enjoy canning and freezing and has plenty of opportunity with her husband's nearly 50 fruit trees.

A grandmother of four with another on the way, Fran says, "I enjoy being a grandmother. I miss them when I don't see them."

Fran believes that the Farm Women Society song, "Brighten the Corner Where You Are," aptly describes her feelings about society members and the part they play in serving others. The song is an inspiration to Fran and she lives her own life brightening the many corners where she serves.

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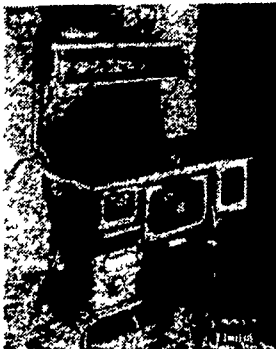
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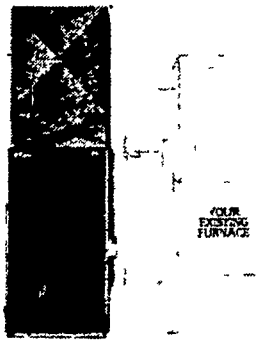
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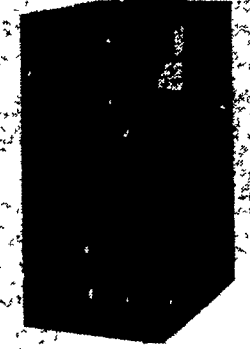
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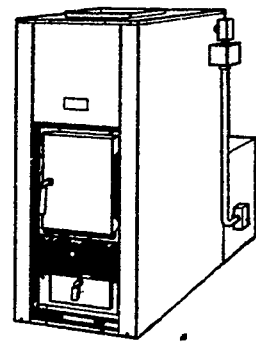
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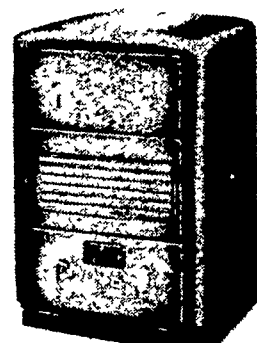
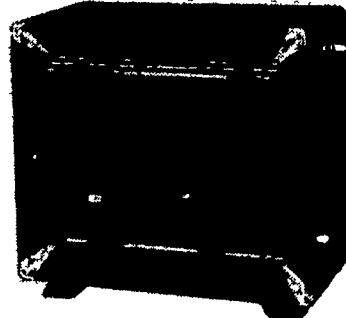


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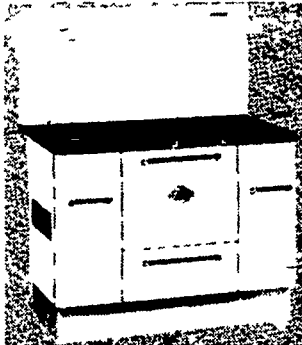


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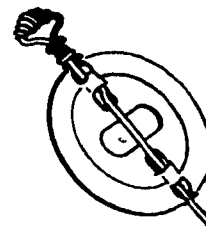
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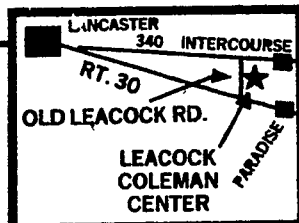


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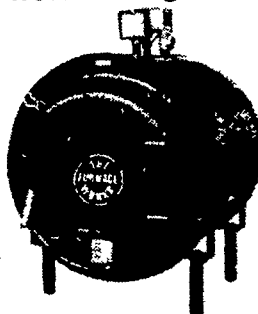


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Ever consider decorating with nuts?

LANCASTER — For you homemakers looking for a new decorating idea for the holidays, why not try nuts, berries and beans?

Who said they only are for

eating? Have you ever noticed how beautiful these fruits of the environment are?

Take a jar and in it place a thick, scented candle and then pour cranberries around the candle.

Beautiful, eh?

If stringing popcorn isn't your forte, try stringing cranberries. Drap them over the mantel and wrap them around the Christmas tree.

As for nuts, use your imagination. The many uses of nuts have long been overlooked when it comes to decorating; Also in baking — unless you've already read Home on the Range.

Before reading any farther, can you name at least three decorating ideas with nuts? Maybe you should begin to discover the incredible multi-purpose nut.

How about using your favorite bowl and fill it with assorted nuts. Looks good, tastes good, and couldn't be easier to create.

Nutcrackers are popular Christmas and even autumn traditions. Do you have any that are hidden away on the shelf? Display them with a bowl of hickory nuts or walnuts to crack.

The Diamond Walnut producers have published a pamphlet describing decorating ideas using their walnuts. Why not try a few?

For creating with walnuts, it is best to remove the walnut kernels and reglue the empty shells together. Diamond says, for best

results, to slip the tip of a screwdriver into the seam at the rounded end of the walnut. Move it gently up and down until the halves part. Use the kernels for your cooking and baking.

To make a holiday candle, wire clusters of walnuts to a sprayed pine branch. Add some acorns made by pressing two gumdrop fruit slices around rounded end of walnut before wrapping it. To complete, arrange some unwrapped walnuts at the base of the decoration.

To make a gift corsage that can be worn or added to a wrapped package, wire together walnuts, gum drops, artificial roses, dried flowers and ferns.

If you enjoy making wreaths in many media, whether it be pine wreaths or fruit wreaths, add walnuts for a nature effect.

And when the decorating is finished and the goodies all made, remember to add a big walnut and watch the tot's faces light up with delight.—DK

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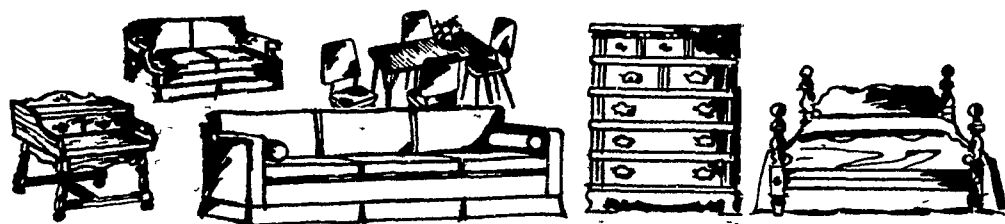
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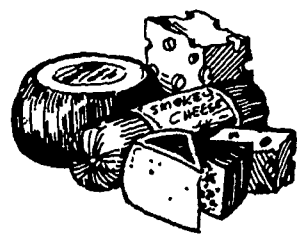
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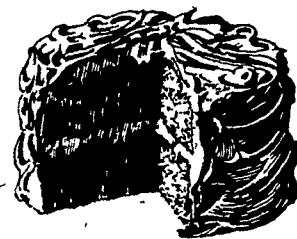
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Home On The Range



Nuts for you

Nuts tend to get overlooked when we talk about food groups and nutrition. However, nuts are very delicious and there are many kinds of nuts at your choosing.

Nuts go well as "munchies" at parties and weddings and as snack food when you're sitting in front of the television watching a football game. Nuts also add that certain touch to many holiday cookies, pies and cakes.

If your child is currently going through the peanut butter sandwich stage, don't fret. Actually you couldn't be more lucky because peanut butter is high in protein and nuts contain more nutrients than most people think. So let him have peanut butter for breakfast and for school lunches. What could be easier to prepare than a peanut butter sandwich?

Try these favorite nut recipes:

DUMPLINGSS

3/4 c. sifted flour
1/4 c. corn meal
1/2 t. salt
1/2 c. chopped nuts
2 t. baking powder
1 egg lightly beaten
1 T. dried milk
1/2 c. water

Sift dry ingredients together. Mix in water, eggs and chopped nuts. Stir only until the dry ingredients are evenly moistened. With only enough liquid in the stew to cover the meat and vegetables drop tablespoons of the dumpling mix into the boiling stew. Cover and allow to cook for 20 minutes.

NUT LAYER CAKE

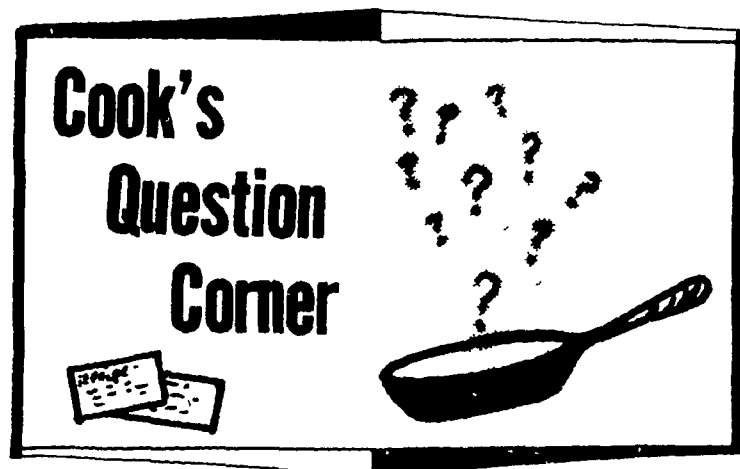
2 1/2 c. sifted flour
1 1/2 c. sugar
3 t. baking powder
1/4 t. salt
1/4 c. soft butter
1 c. water
3 egg whites
1 t. vanilla
3/4 c. chopped nuts

Sift dry ingredients together. Mix in butter thoroughly. Add water gradually while beating until batter is smooth. Add vanilla and egg whites and beat for 2 minutes. Stir in the chopped nuts. Pour batter in cake pans and bake in 350-degree oven for about 25 minutes.



Who can resist delicious nuts? Almonds, cashews, chestnuts, pecans, hickory nuts, and the list goes on as does the desire to eat them one after another. Nuts taste good alone or

mixed in cookies. They are also a perfect topper for this yummy autumn dish, pumpkin gold pie.



ANSWER — For the cook who requested a recipe for Caramel Corn, Mrs. John Crossen of Newark Valley, New York, has sent us "Caramel Corn-Oven Style." This snack sounds great for the upcoming holidays.

CARAMEL CORN - OVEN STYLE

15 c. popped corn
1 c. brown sugar
1/2 c. butter
1/4 c. white corn syrup
1/2 t. salt
1/4 t. vanilla
1/2 t. soda

Put popped corn into ungreased pans. In a heavy saucepan combine sugar, butter, salt and corn syrup. Heat, stirring often until mixture bubbles around the edges.

Continue cooking over medium heat for 5 minutes. Remove from heat and stir in soda. This will become foamy.

Pour over corn and stir mixture until corn is well coated. Place corn in pre-heated oven and bake for one hour. Stir every 15 minutes. Cool. If you wish to store, use plastic bags or air-tight cans.

PUMPKIN GOLD PIE

1 envelope unflavored gelatin
1/2 c. cold water
1 1/2 c. canned pumpkin
1/3 c. firmly packed brown sugar
1 t. cinnamon
1/2 t. salt
1/2 t. nutmeg
1/4 t. allspice
1/4 t. ginger
3 egg yolks, beaten
1 c. dairy sour cream
3 egg whites
1/4 t. cream of tartar
1/3 c. granulated sugar
9-inch baked pie shell
chopped pecans

Sprinkle gelatin over water in small saucepan; heat to dissolve. Stir in pumpkin, brown sugar and spices. Heat to simmering, stirring occasionally. Blend a small amount of hot mixture into egg yolks. Return all to saucepan. Cook 1 minute. Do not boil. Remove from heat. Pour into a large mixing bowl. Chill until mixture mounds when dropped from a spoon. Blend in sour cream. Beat egg whites until frothy. Add cream of tartar and continue beating until soft peaks form. Gradually add granulated sugar and beat until stiff and glossy. Fold into pumpkin mixture. Pour into pie shell. Chill several hours or overnight until firm. Garnish with lots of chopped pecans.

PECAN TARTS

Mix 1/2 c. margarine and 1/2 c. sugar. Stir in 2 egg yolks, 1 t. almond extract and 2 c. sifted flour. Press evenly into tiny tart-shells or muffin cups. Bake in 400 degree oven 8 to 10 minutes. Bring to boil 1/2 c. margarine, 1/3 c. dark corn syrup and 1 c. confectioners sugar. Stir 1 c. chopped pecans. Spoon into shells. Top with pecan halves. Bake in 350-degree oven for 5 minutes. Makes 4 dozen.

Audrey Koontz, Everett

WALNUT ANIMAL CRACKERS

2 1/4 c. unsifted flour
1/2 c. whole wheat flour
1/4 c. yellow cornmeal
1 t. baking powder
3/4 t. salt
1/2 c. finely chopped walnuts
2/3 c. shortening
1 c. granulated sugar
1/2 t. vanilla
6 T. milk

Mix flours with cornmeal, baking powder, salt and walnuts. Cream shortening with sugar and vanilla. Blend in flour mixture alternately with milk, mixing to a stiff dough.

On lightly floured board roll small portions at a time to 1/8 inch thickness and cut with animal-shaped cookie cutters. Arrange on ungreased cookie sheets. Bake above oven center at 350 degrees for about 12 minutes, until edges are lightly browned. Cool on wire racks. Makes about 4 1/2 doz. crackers depending on size of cutters.

WALNUT SKATEBOARDS

1/2 c. butter
1/3 c. brown sugar
1 t. grated orange peel
1 T. orange juice
1/4 t. anise flavoring
3/4 c. unsifted rye flour
1/4 t. baking powder
1/2 c. sifted all-purpose flour
1/2 c. finely chopped walnuts

Beat together butter, sugar, orange peel and juice, and flavoring until well blended. Stir in rye flour. Stir baking powder into all-purpose flour. Gradually blend into the dough. Mix in walnuts. Shape into 12 small rolls.

Place one at a time on greased cookie sheets and flatten with floured rolling pin to about 4 1/2 x 1 1/2 inches. Bake at 375 degrees for about 10 minutes until edges are very lightly browned. Cool on wire racks. Make 12 cookies.

APPLESAUCE NUT BREAD

1 c. sugar
1 c. applesauce
1/4 c. oil
3 egg whites
3 T. skim milk
2 c. sifted flour
1 t. baking soda
1 t. baking powder
1/2 t. salt
1/2 t. cinnamon
1/4 t. nutmeg
1/2 c. chopped walnuts

In a large bowl combine sugar, applesauce, oil, egg whites, and skim milk and mix thoroughly.

Add flour, baking soda, baking powder, salt, cinnamon and nutmeg. Combine until all ingredients are well blended. Stir in chopped nuts.

Spread batter in oiled and floured 9x5x3 inch loaf pan. Bake at 350 degrees for 60-70 minutes.

Nancy Lort, Delta

RAISED NUT BREAD

2 T. dried milk
1/2 cake yeast
2 T. brown sugar
1/4 t. salt
1 c. water
1 c. sifted white flour
1 c. whole wheat flour
1/2 c. finely chopped nuts

Dissolve yeast in one cup of warm water in a bowl, and add dry ingredients. Beat until thoroughly mixed. Add nuts and enough flour to make a stiff dough. Grease 9 x 5 loaf pan. Cover with a cloth and let rise until doubled. Bake in 375 degree oven for one hour.

COLD NUT CAKE

1 lb. graham crackers, rolled fine
2 c. English walnuts, chopped
1 pound dates, cut in thirds
1 pound marshmallows, cut
3/4 c. milk

Mix all together and shape into rolls. Roll in graham cracker crumbs and wrap in wax paper. Store in refrigerator and slice as used.

Mrs. Carl Bacon, Felton

Recipe Topics

November

14 Nuts to you
21 Thanksgiving favorites
28 Potato Recipes

December

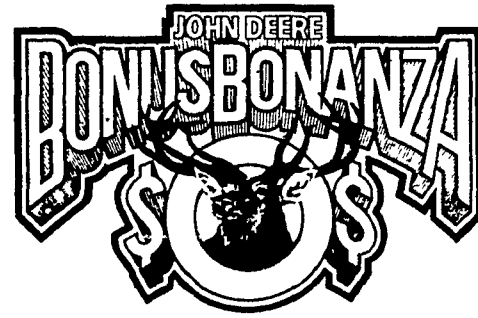
5 Cakes promote friendship
12 Cookies for Christmas
19 Popcorn favorites
26 Beverages for the holidays

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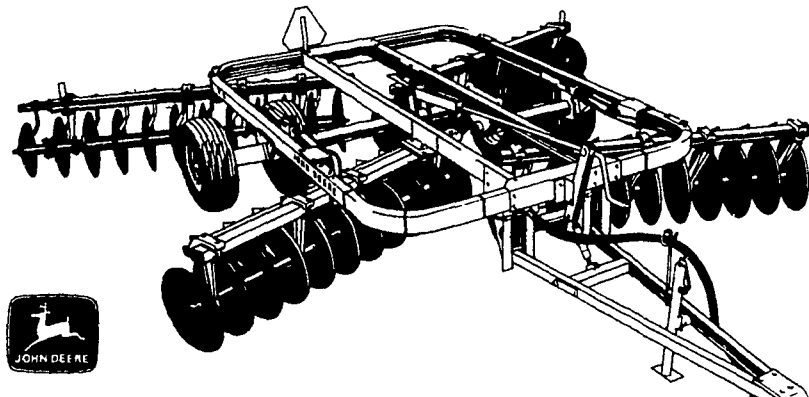
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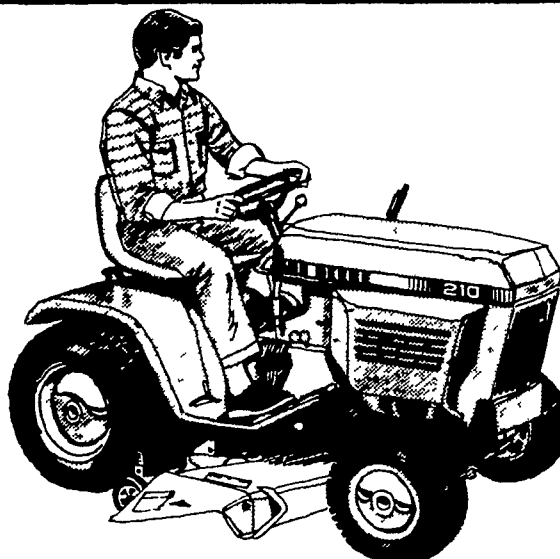
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This "end-of-season" special offer applies to any new John Deere 200-, 300- or 400-Series Lawn and Garden Tractor and all attachments purchased for use with the tractor.

See us now for complete details.
Offer expires February 28, 1982.



New Holland Farm Show honors 4-H'ers

LANCASTER — Parents and members of the New Holland 4-H Pig and Beef clubs met last Friday night at the Leola Family Restaurant to honor champion 4-H'ers from New Holland's 50th Farm Show, held earlier this fall.

Scooping up three trophies was Janae Martin of New Holland who received honors for Senior Showman, Fitting, and Reserve Champion in the beef class.

The coveted champion beef trophy went to Ernest Mast of Morgantown and the Junior Showman awards to Emily Weaver of Ephrata.

In pig 4-H, Laura Folker of New Holland emerged top champion. Laura left the banquet with an award for Fitting and Reserve Champion.

Champion honors went to Jimmy Martin of New Holland, and Dave Fisher of East Earl received credit for being named Senior Showman.

The Junior Showman title went to Heidi Fisher of East Earl.

The Blue Ball Bank and the New Holland Bank awarded checks for \$10 to each participating 4-H'er and the Farm Show Board distributed checks for those 4-H'ers who placed in their showing classes.

Paul Hauck, president of the New Holland Farm Show program, presented Ernest Mast and Jim Martin with color pictures of their champion animal, beef and pig respectively.

Master of Ceremonies for the evening was Ron Martin, president of the beef club. Also speaking

were county Extension agents Glenn Shirk and Arnie Lueck. Lueck remarked that 4-H is a family affair saying, "We have 5 brother and sister combinations in the pig 4-H."

Glenn Shirk, Arnie Lueck, and Lester Weaver presented the awards.



Janae Martin of New Holland walked away from the New Holland beef and pig club banquet with three of the five awards presented for beef 4-H. She received trophies for Senior Showman, Reserve Champion, and Fitting.



Ernest Mast of Morgantown, left, and Emily titles of Champion and Junior Showman, Weaver of Ephrata earned trophies for the respectively, at last Friday night's banquet.



Laura Folker, center, earned trophies for Fitting and Reserve Champion, and Dave Fisher of East Earl earned the Senior Showman award for pig 4-H. His sister, Heidi, earned Junior Showman award.

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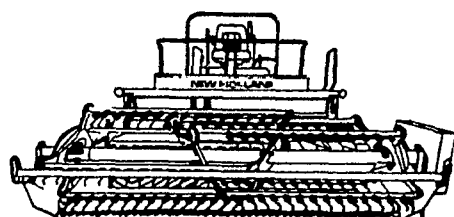
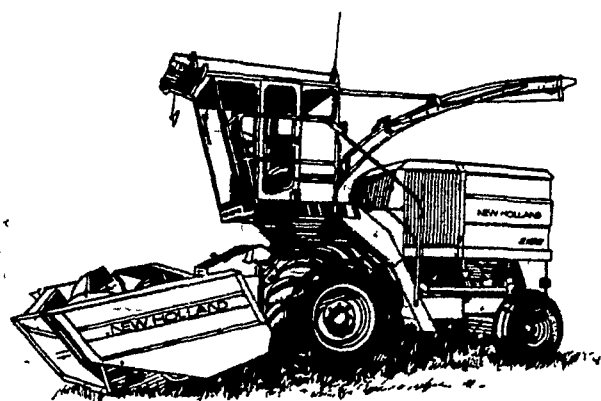
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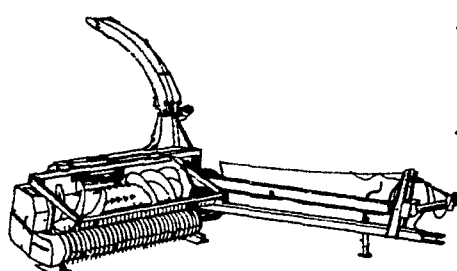
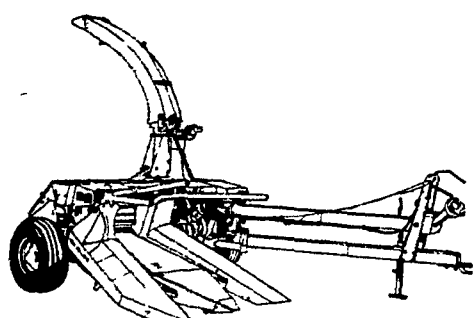
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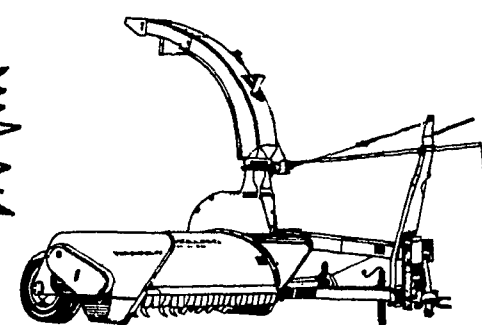


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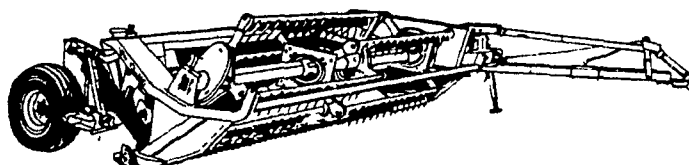
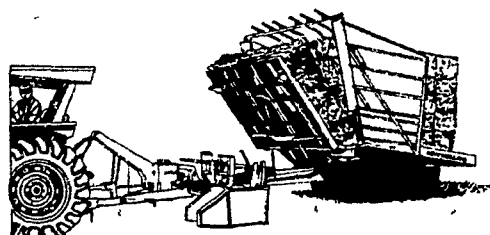


REBATES OF \$1000 ON 782 AND 892 PULL TYPE HARVESTERS

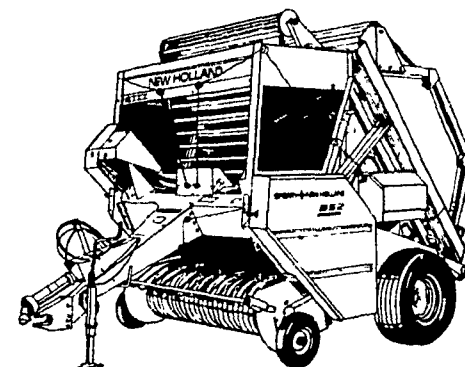
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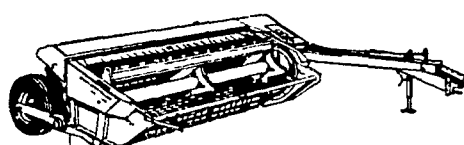
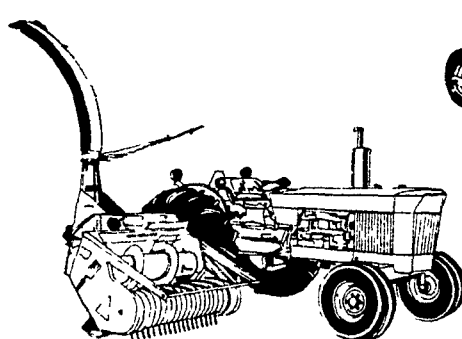
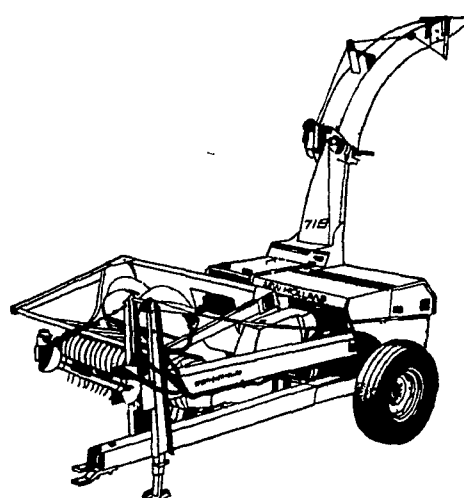
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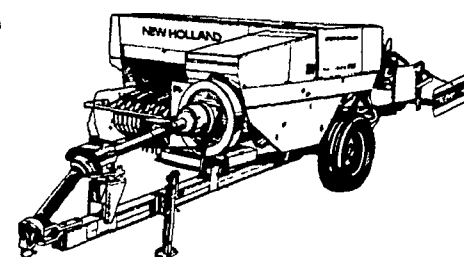
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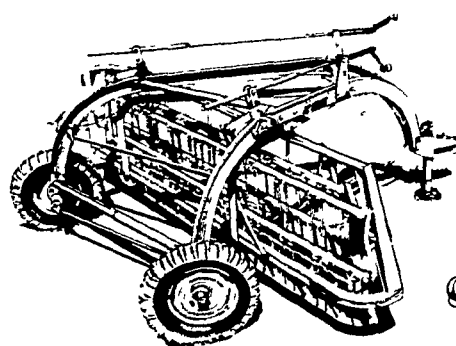
**BALE WAGONS - MODELS 1002, 1003, 1036, 1037; MOWER CONDITIONER MODEL
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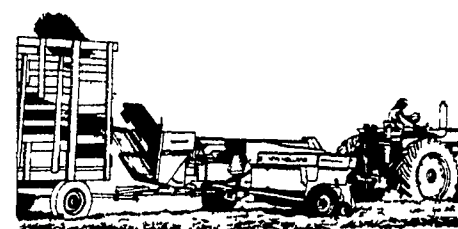
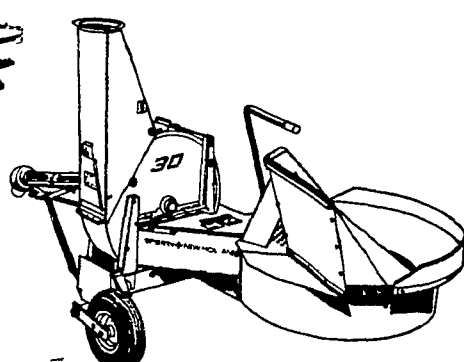
**REBATES OF
\$450
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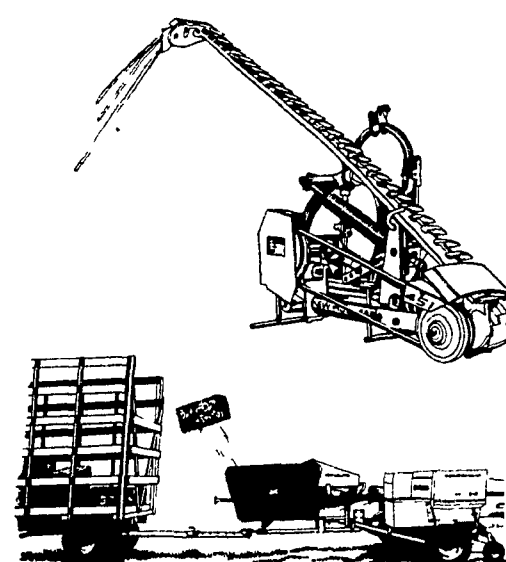
**FORAGE MODELS 718, 707; MOWER CONDITIONERS MODELS 472, 474, 488, 489,
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Kid's KOrner

Wonders Of Nature



No small wonder is the lands monster stands 83 feet tall and its crown spread covers 85 feet. The new baldcypress tree which was discovered on Georgia-Pacific timberlands deep in the Mississippi River bottomlands north of Baton Rouge, Louisiana. Dwarfing the two Georgia-Pacific foresters (at either side) who found it, its trunk has a girth measuring 53 feet. This bottom-

lands monster stands 83 feet tall and its crown spread covers 85 feet. The new champion earned its official title from the American Forestry Association, which administers the National Register of Big Trees. *Taxodium distichum* may be the scientific name of this tree-mendous baldcypress, but being No. 1 is its true claim to fame.

Why cats hunt

LANCASTER — If you've had an outdoor cat, you've probably seen the pet stalking insects, birds, or small animals. And you may have wondered why the cat bothered with the chase. It already had plenty of food, and lots of toys.

The reasons why modern domestic cats continue to hunt have intrigued behavioral scientists for several decades. Several technical papers have analyzed this and other aspects of feline behavior.

According to Paul Leyhausen author of *Cat Behavior*, the cat's hunting instinct probably was developed before its association with man began. Creeping along the ground, and keeping a low profile is an effective way of reaching a small ground animal. The cat tracks the animal until it strays a reasonable distance from a hole, and then pounces on it.

If a cat corners a rat or mouse, it generally waits for the prey to turn and run before attacking. This gives the cat the opportunity to grab the back of the rodent's neck for a quick kill. On the other hand, an aggressive mouse or rat is often successful in escaping by forcing the cat to jump back in self-defense.

Although some cats are exceptionally successful in downing birds, the average cat stalks many more birds than it actually catches. A bird's erratic movements and unpredictable short flights made it difficult for a cat to plan a method of attack. Cats are most likely to chase and catch birds in areas where the rodent population is low. And even then, the cats will spend time chasing insects as well. Studies run by state fish and game departments indicate that cats use birds for only a small portion of their diet.

You may wonder why a cat spends time chasing a small animal, and then leaves it uneaten by your doorstep or on the kitchen floor. Research hasn't provided a firm answer. One theory is that the cat wants to store the food for later, when it may be hungry. Another idea is that the cat's predatory instinct is aroused by the sight of a rodent, and the full



Everybody seems to want to get in on the act of milking a cow and this donkey is no exception. However we have our doubts as to whether what he boasts is true or not. What do you think? Have you ever milked a cow?

Want to make some nutburgers?

Hey kids, mom is probably busy preparing nut recipes she found in *Home on the Range*, so why don't you get in on the act and try a new twist in the normal, dull hamburger? It's called a nutburger and the recipe is below:

Nutburgers

- 1½ lb. ground beef
- 1 t. salt
- 1/8 t. pepper
- 1 small onion, to be chopped
- ½ c. walnuts, to be chopped
- 8 sprigs parsley, to be chopped
- 4 hamburger buns

Sprinkle meat with salt and pepper; mix, then form into 8 thin patties.

Chop and combine onion, walnuts, and parsley; spread mixture on 4 patties. Cover with remaining patties; press edges of meat together so filling is sealed in.

Grill until brown; serve on split buns. Makes 4 sandwiches

sequence of its catching and killing cycle has to take place, even if the cat isn't hungry.

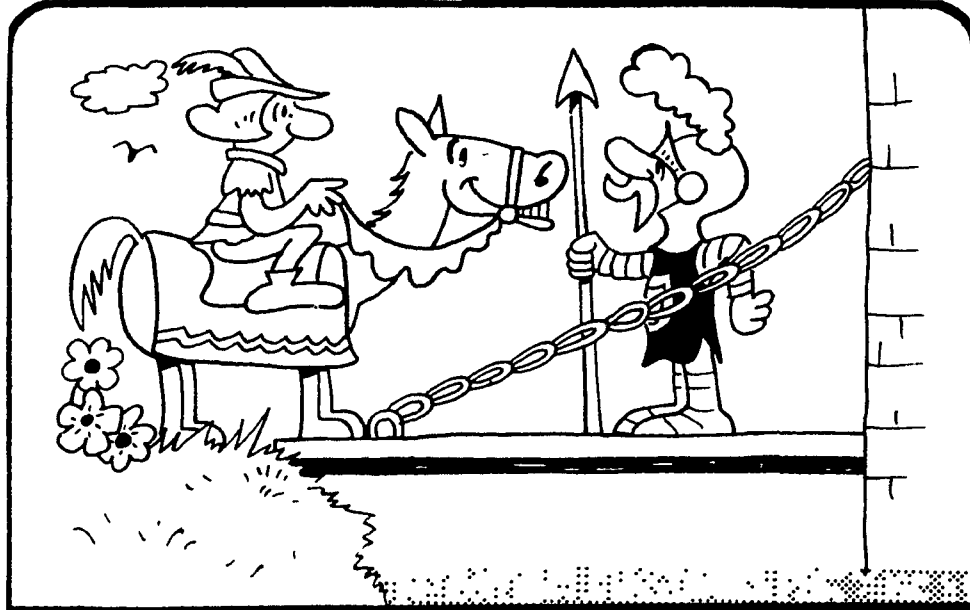
Many of an outdoor cat's injuries are related to hunting. Deep, festering abscesses start when a mouse or rat bites a heal at the surface, trapping bacteria inside. Shallow, ragged cuts are often the results of trips through landfills or construction sites littered with metal scrap. Cats also develop infected sores when they fight each other for hunting territories.

If you see your cat constantly licking one spot or favoring one

side, you might check for a small lump or hot spot that would signal a hidden abscess. Your veterinarian will have to open the abscess to help it heal from the inside out.

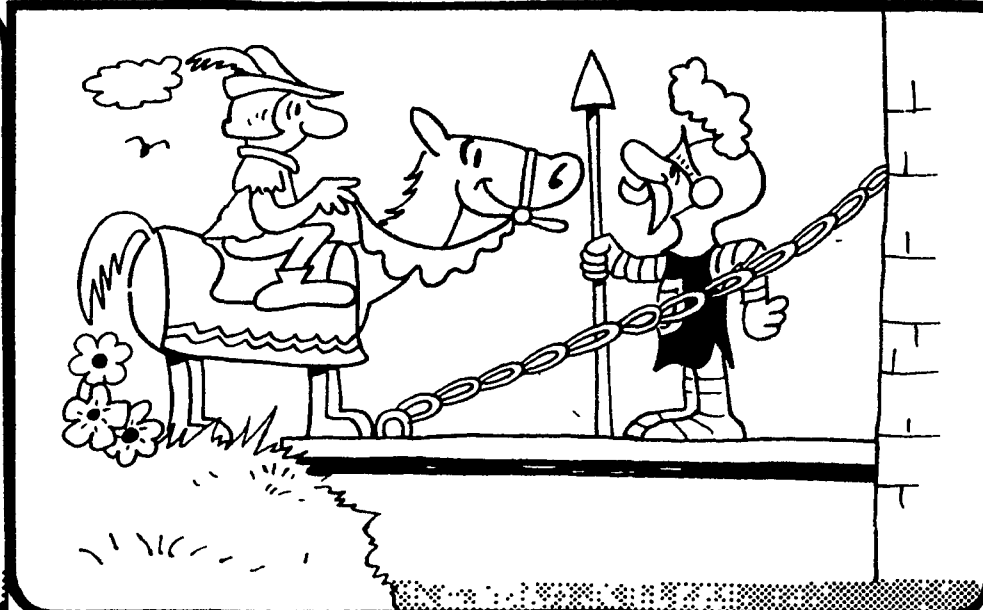
You will do yourself as well as your outdoor cat a favor by remembering to keep your pet's rabies vaccination up to date. Any pet that has frequent contact with wild animals — particularly raccoons and skunks — should be protected against this fatal disease.

it's DIFFERENT By How



There are seven differences in the second picture. Can you spot them?

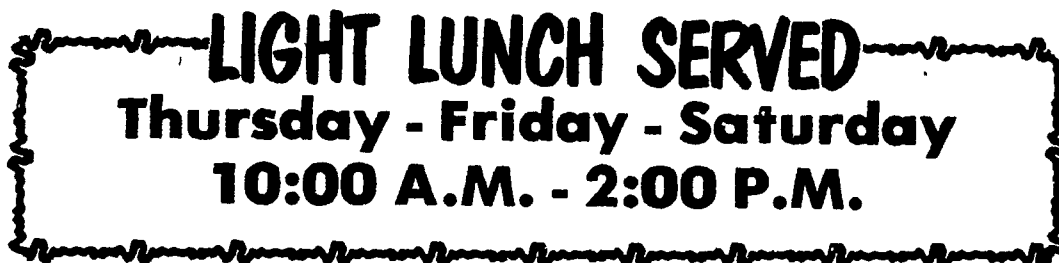
ANSWERS: Spear, Plume, Ear, Mustache, Teeth, Belt, Hair.



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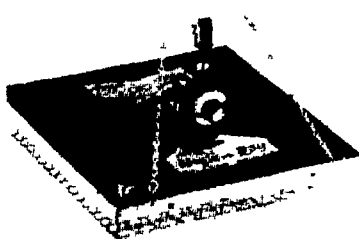
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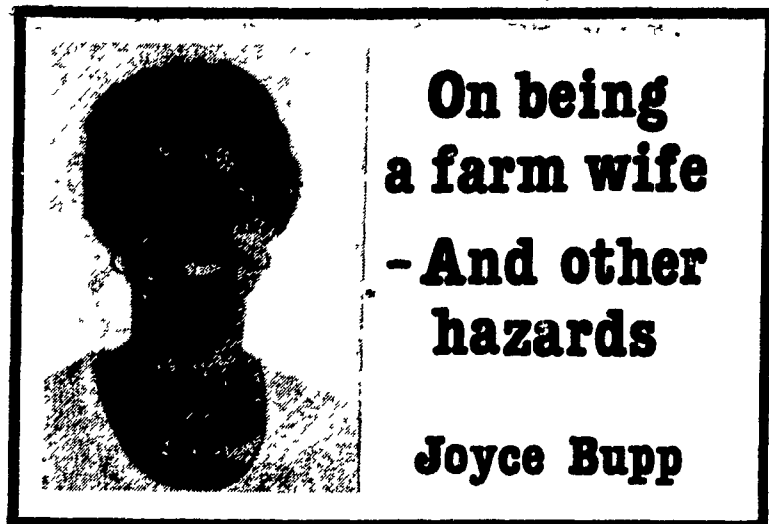
Topic:
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On being a farm wife - And other hazards

Joyce Bupp

"Mom, how old do you have to be to have stories?"

The "stories" referred to by our junior farmer are those classic tales told by every adult at some time or another. Generally they have to do with something that happened to the adult when they were a child, or at least earlier in their adult years.

One of the men here at the farm is an expert tale-teller, with a story for every occasion. I think our youngest member was seeking a "story" of his own to tell back the next time he happened to be in the role of listener.

He didn't have long to wait.

For from one of the most likely sources of male "stories" to originate came one for the memory of our little tale teller: your classic hunting adventure.

This was strictly a back-yard expedition, with the two farmers, tall and small, hiking the several hundred yards down through the meadow to the little cluster of trees

and swamp long dubbed "Bunker Hill."

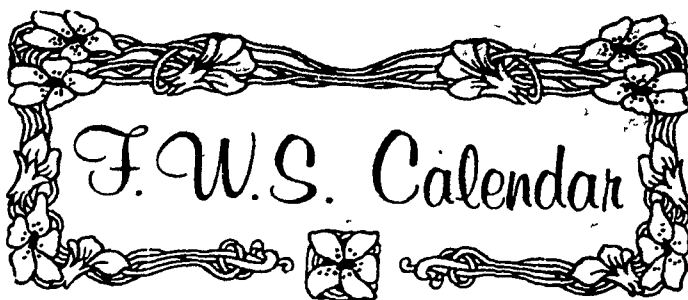
As the fluorescent orange-colored hunters began scouting out the little woods; what would come padding up through the moss and leaves but a cat, out for its own adventure, likely.

As the cat paraded in through a jagged briar patch, it surprised a sneaky cock bird, who probably figured he'd be real safe in the tangled mass. Flushed out by the old cat, the bird glided to a big tree nearby.

Off when the hunting team, one small to flank off to the side and divert the wary bird, while the other drew a bead on the quarry and felled the trophy. (I root for the birds — sounds unfair to me!)

Proudly, the smaller hunter dragged me on a hike soon after to relive, in stereophonic simulated sound from the battle site, all the details of the expedition.

He now has his own "story" to start a collection of memories to



Today, November 14
Lancaster Co. Society 6 meets with Mrs. Martin Hoffer to hear Mrs. David Hawthorne speak
Lancaster Co. Society 19 meets for

pass on to his children, and perhaps grandchildren.

But can't you just see them someday roll their eyes and snicker with that "Sure, you did!" look on their faces when he recounts how, as a boy, he got the pheasant by chasing it out with a cat.

Why, that's enough to make any self-respecting beagle dog hang up his license.

a Thanksgiving banquet at Palmyra

Lancaster Co. Society 1 meets with hostess Molly Emenheiser to hear speaker Esther Martin

Monday, November 16
Lancaster Society 31 meets for a program of packing fruit baskets

Tuesday, November 17
Berks Society 6 meets with Naomi Mest for slides

Wednesday, November 18
Lancaster Society 33 meets at St. Peter's Village for Christmas shopping

Thursday, November 19
Lancaster Society 26 meets for a

cheese fest at the home of Janet Buchen

Lancaster Society 15 meets to hear Michele Rodgers from the Lancaster Co. Extension Service

Lancaster Society 11 meets with Mary Ann Cox, local librarian

Lancaster Society 28 meets with Beulah Landis to learn about microwave ovens

Saturday, November 21

Lancaster Co. Society 3 meets with Irene Dankers for a program with Mrs. Jay Rodgers

Lancaster Co. Society 18 meets with Bill Byers for "Energy Conservation in the Home"

Lancaster Society 12 meets for a safety program by the police department

Lancaster Society 4 meets with representatives of Hospice at the home of Mary Troop

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\$26 ⁵⁰	\$258 ⁰⁰	\$66 ⁰⁰	\$49 ⁵⁰	\$88 ⁰⁰

	Reg.	Sale	Our Price
Youth Group by Bassett			
Dresser	\$249.95	\$189.95	\$144.00
More Desk	249.95	189.95	144.00
pieces Chest	209.95	149.95	128.00
available Hutch Top	209.95	149.95	128.00
Mirror	69.95	49.95	37.00
Captain's Bed	319.95	249.95	148.00
Bunk Bed Set (complete incl. bedding)	309.95	209.95	138.00
Dry Sink (Wood)	289.95	209.95	138.00
Lane Hope Chest	249.95	189.95	139.50

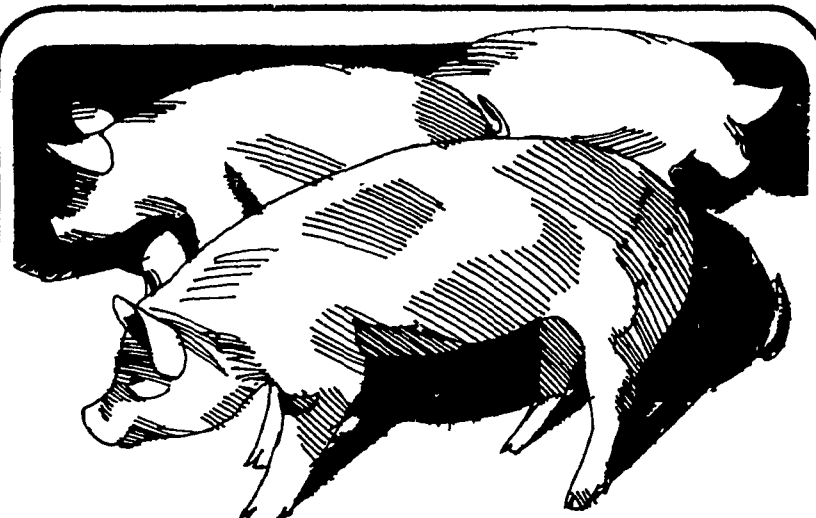
RECLINERS	WALLHUGGERS	3 PC. WALL UNITS	FLOOR LAMPS	BENTWOOD ROCKERS
\$88 ⁰⁰	\$178 ⁰⁰	\$178 ⁰⁰	\$49 ⁵⁰	\$68 ⁰⁰

3 Pc. End Table Set (Chrome)	209.95	139.95	68.00
3 Pc. Living Room Set (Herculon)	869.95	619.95	388.00
3 Pc. Living Room Set (Nylon)	1309.95	809.95	568.00
2 Pc. Living Room Set (Nylon)	809.95	509.95	378.00
6 Pc. Family Room Set (Solid Wood & Nylon)	1209.95	789.95	528.00
Hide-A-Bed (Dbl)	509.95	349.95	218.00
5 Pc. Dinette Set	209.95	189.95	118.00
7 Pc. Dinette Set	389.95	269.95	178.00
7 Pc. Dining Room (Trestle Table)	909.95	689.95	468.00
5 Pc. Bedroom Set (Maple, Pine)	709.95	509.95	298.00

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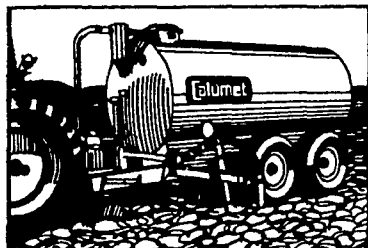
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The chestnuts are coming

LANCASTER - "Beneath, the spreading chestnut tree, the village smithy stands..."

The smithy is gone and so is the American chestnut tree. The smithy was overtaken by changing times but the American chestnut was done in by chestnut blight, and imported disease.

So, how is it that the chestnuts are still coming? Well, it so happened that in the same region the blight came from there was a species of chestnut that was resistant to the blight. It was the Chinese chestnut. Although its nuts may not be quite as good as those of the American chestnut they are far superior to the European chestnuts that took over and almost ruined the market in the U.S. when our native trees died off.

The ruination came about because they were not only naturally inferior in flavor and quality to the American chestnut but they lost much of what they started with on the long sea voyage that brought them here.

Chestnuts are at their best if eaten a few days after they fall from the tree. The flavor of a chestnut mostly depends on sugar in it. Soon after ripening this starch begins to change to sugar, at ordinary temperatures. This is how nature prepares the nut for its

long sleep. Refrigeration slows this change allowing chestnuts to retain their full flavor.

But to get back to how and why the chestnuts are coming: Over the years since the American chestnuts disappeared many Chinese chestnuts have been planted throughout the former range of the American chestnut, roughly from the Mississippi Valley to the mid-Atlantic coast. The new trees are of selected cultivars and are commonly found close to the markets in which their nuts are sold.

With modern transportation, even nuts from distant trees can be brought to market easily and quickly. So now through November and December your neighborhood produce market is apt to have a good supply of fresh chestnuts. The better marketers are careful to keep their stock of nuts under refrigeration until they are sold.

Likewise, if the chestnuts taken home from market are not going to be eaten right away they should be put in the refrigerator, as is done with lettuce, carrots and other fresh produce.

So the chestnuts are coming. How to enjoy them? The traditional way is to roast them. To do this it is necessary to slash or cut the shell with a sharp knife.

The chestnut shell is not only airtight but it is airtight. Heat turns some of the moisture in the nut to steam. If no chut has been made the nut explodes. This is unpleasant for anyone closeby and some of the nut meat is usually lost.

To Roast Chestnuts

After slashing the shells, put them into a skillet in a thin layer. Add just enough cooking oil to coat them, shaking and stirring to distribute the oil evenly. Put the skillet into an oven preheated to 325°. Roast them at this temperature with occasional stirrings until done, usually about 15 to 20 minutes. The shell and the skin which closely covers each raw nut will then come off easily and the chestnuts are ready to eat from the hand.

CHESTNUTS AS A TABLE DISH

As an adjunct to the main course chestnuts can be prepared in many ways. Here we will describe only two: sauteing and boiling. In general, one pound of raw chestnuts in the shell should make about three servings.

Sauteed Chestnuts

After slashing the chestnuts put them in a pan of boiling water. Turn off the heat and let them set in the water for 10 minutes. Taking out a few at a time peel off the shells and innerskin. Boil the

peeled chestnuts in some kind of stock for 10 minutes.

If no stock is available plain water may be used. After boiling, drain and dry them. Melt a ½ cup of butter in a skillet and put in the chestnuts. Saute them over moderate heat until they are brown and crisp. Mix in seasoning and they are ready to serve.

A few tablespoons of heavy

cream stirred in during the last minute or two of cooking will make a delicious sauce to serve with them.

Boiled Chestnuts

Using any stock available, or plain water, boil the peeled chestnuts until they are tender but still chewy. Drain, and add butter and seasoning. They are now ready for the table.

Polish children to receive U.S. dairy products

WASHINGTON, D.C. — Secretary of Agriculture John R. Block announced that an agreement was signed with HORTON-POLCOOP, a Polish government agency, to provide U.S. dairy products from Commodity Credit Corporation stocks for use in a Polish government pre-school lunch program during the next year.

The agreement makes available 28,000 metric tons of butter, cheese, and non-fat dry milk to about one million Polish pre-school

children. The dairy commodities, valued at approximately \$31.6 million, will be distributed to the children in a program of the Polish Ministry of Health, monitored by CARE, Inc.

Poland is experiencing food shortages that affect low-income and other nutritionally vulnerable groups such as school children, pregnant women, and older people. To help alleviate this situation, CARE, Inc., and the Polish government have agreed to cooperate in the pre-school lunch program.

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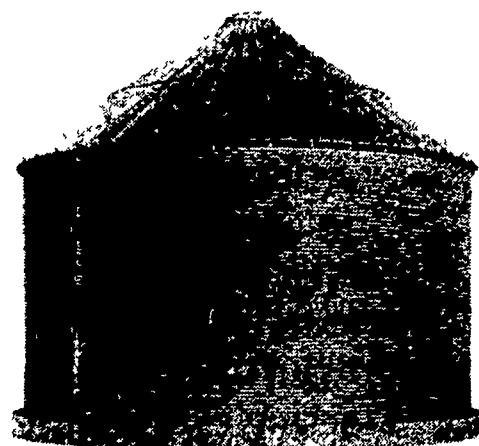
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Ladies Have You Heard?

By Doris Thomas
Lancaster Extension
Home Economist



Take Full Advantage of Your Freezer At Holiday Time

If you have a home food freezer, put it to good use during the approaching holidays. The freezer can hold a number of regular meals, special party foods and festive dishes. The freezer can also preserve leftovers after the holiday meal.

In the coming weeks before the holidays, make extra quantities of casseroles and one-dish main meals as you prepare your regular meals.

Cook the food in the usual way until almost done — it will cook more when it's thawed and reheated. Use a light touch with seasoning because some spices become stronger during freezing.

After baking, cook the food quickly, cover and freeze at zero degrees Fahrenheit or below. Remove from container and wrap it in moisture-vapor-proof material, label and return it to the freezer. With this method you'll be able to use the casserole in which you froze the food while the plan-ahead meal is in your freezer. When you're ready to serve that frozen meal, just pop it back into the dish your originally froze it in.

When preparing special occasion foods for the freezer, remember that certain ingredients do not freeze well. Avoid freezing cooked egg white (meringues and fluffy frostings), raw vegetables and mayonnaise.

Cakes may be frozen when frosted — just remember to unwrap before thawing, or freeze cake unfrosted. You can also freeze

baked or unbaked pies. Rolls can be frozen partially baked, similar to commercial brown-and-serve products.

Large quantities of leftovers after holiday meals or parties are better stored in the freezer than the refrigerator. Freeze leftover turkey, stuffing and gravy if they won't be used within a few days. Use containers that will hold only as much food as you intend to serve at one time.

Label foods clearly. The label should include the name of food, freezing date and number of servings in the packets. For maximum quality, use frozen foods within two or three months.

Seal Up Heat Leaks For Winter

The cost of energy continues its upward spiral and there has never been a better time to seal off those "heat leaks" found in every room in the house.

You don't have to be an expert craftsman with special tools or spend yourself poor to achieve significant energy savings, either.

Here are five simple, heat-leak reducing, energy saving hints that the average homeowner can use to save money and remain comfortable this heating season.

1. Plug Up Drafts:

Check such structural openings as mail chutes, fireplace dampers and doorways. If you detect a draft seeping through, seal the opening with masking or adhesive tape.

2. "Use" Windows:

Windows can be both a serious energy drain and a source of

warmth. More than one-third of all the heat lost in a home is through windows. That's because the glass is a conductor of heat — it allows costly fuel-heated air to pass through to the cold outdoors. The more air that is lost this way, the more energy must be used to replace it.

A standard light color, opaque, vinyl covered cloth shade can prevent an average of 35 percent of the heat that normally leaks through from escaping. Venetian blinds and draperies cut heat loss by 22 percent, about one-third less effective than the less costly window shade.

Window shades should be fitted close to the frame — as close as 1/4" — and about an inch from the glass to form a window seal. Draw shades during the cold mornings, evening, and nighttime, and during the day on the north side of the house.

But, let the suns shine in the uncovered windows facing south. This will help warm those rooms at no cost, a bonus to balance off the loss at other times.

3. Close Off Unused Rooms:

If you have a room that is seldom or never used, turn off its radiator or heaters and keep the door tightly closed. Check the door frame for cold drafts. Seal heat leaks with tape, as with any outside door.

4. Check Your Furnace:

Examine the air filter in your furnace at least once a month during the heating season. If it's clogged with dirt, clean or replace it.

And check the hog air ducts for leaks. Repair them with masking or adhesive tape, or use inexpensive "duct sealing" tape available at most hardware stores.

5. Set Thermostat Lower:

A two to three percent savings in your fuel bill may be realized for each degree you lower your thermostat setting.

There are many other simple and inexpensive things you can look into, like caulking and weatherstripping windows and putting a blanket of insulation around exposed hot water pipes.

Farm Women Societies

Berks Co. Board Meeting

The Berks County Board meeting was held recently to discuss county events and upcoming plans.

The profit of the pie sales at the Reading Fair was \$600.

Berks Heim Bingo is November 12 at the Annex Building.

The state convention is scheduled for January 11 and 12. Tickets are \$9. Members should send a self-addressed stamped envelope to Marie Baughman, 377 Musser Rd., Shippensburg, PA, 17257.

Lancaster Co. Society 27

Lancaster Farm Women 27 met at the home of Fran Sauder for the November meeting.

During the evening members built graham cracker Christmas houses.

Members answered roll call by telling in how many houses they

have lived.

The Society plans a December trip to Longwood Gardens.

New officers were also installed. They are: Erma Hollinger, vice president; Amelia Erb, treasurer; Mary McClenagh, corresponding secretary.

York Co. Society 12

York Farm Women 12 met recently at the home of Ruth Runkle. Seventeen members and guests attended.

Members voted to donate money to the American Lung Association of South Central Pennsylvania.

The speaker for the evening, Mrs. Kenneth Eshelman, presented "Trick or Treat" with a religious message.

The next meeting will be held at the home of Ida Lanus, November 24 at 1:30 p.m.

Lancaster Co. Society 11

Lancaster Society 11 enjoyed a bus trip to Lehigh Valley Shopping Mall near Allentown in September.

The October meeting of the Society was held at the Hershey Farms Restaurant with 15 members present.

The following officers were elected: president, Betty Brabson;

vice president, Helen Shaub; secretary, Mary Swarr; treasurer, Mary Trimble.

Following the meeting, the members visited the Rockford Plantation.

The November meeting will be held on November 19 at the home of Violet Eshelman of Quarryville.

Lancaster Co. Society 28

Lancaster Society 28 met recently at the home of Mrs. Raymond Landis for a harvest sale auction.

Members answered roll call by telling what part of a newspaper

each reads first.

The next meeting will be held on November 19 at the home of Mrs. Jake Bare. Elnora Frank will present a microwave demonstration.

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York Co. Farm Women elect officers

BY JOYCE BUPP
Staff Correspondent

YORK — York County Society of Farm Women members got a peek at their new cookbook, elected new officers, and honored several of their own during the group's 42nd annual convention, held at St. Matthew church on November 5.

Ten years ago, the Farm Women published their first, and highly successful "York County Farm Women Go To The Kitchen," now in its third printing with over 12,000 copies sold. Proceeds from the book all went to benefit the 4-H center.

Pleased customer demand sent the more than 600 Farm Women members from 37 societies back to their kitchen to compile a brand edition, delivered literally "hot-

off-the-press" to the convention last week, from the printer, while the first convention goers were signing up at the registration table.

Cookbook committee members Susan Lehman, Genet Sellers and Pat Sechrist then convinced the printer to hurry back to his shop to rush another hundred copies through and deliver them back to the convention by lunch.

First cookbook copy was presented to outgoing county president Marie Smyser, who presided over the morning business meeting and election of officers.

Elected president for 1981-83 is Treva Whorl, Glen Rock, a member of Group 18, Hametown. Earlier in the session, she

presented the condensed group report, noting that over \$5500 had been contributed to numerous charitable, church and community organizations by the county's 35 individual societies.

Assisting her will be first vice president Arlene Miller, Loganville, a member of Group 11 of Potosi; second vice-president Ruth Anne Santiago, York, a member of Group #2, Jacobus, secretary-Mary Dull, Hellam, Group 14, and treasurer, Susan Lehman, Seven Valleys.

State president Helen Hess of Lancaster honored four of York's members who reached the age of 90 the past year. They were Mabel Rishel of Group 1 who also founded the York Society, Elsie Rishel, also a charter member of Group 1, Loren Seifert, Group 4, Dover, and Amanda Wierman of Etters Group 26.

Mrs. Hess spoke briefly, offering congratulations to York for attaining the largest membership of any county in the state. She noted that she has seen the scope of the Farm Women change through the years, with more attention now being turned toward community involvement and issues of local and national interest.

"Be proud to be a homemaker," she told the 300 women attending, "But don't apologize if you join the business world."

With farmland disappearing at record rates, Mrs. Hess urged the Farm Women societies to contact their elected representatives to support land preservation efforts.

She also urged them to continue to promote good living conditions for rural living and to continue promoting a Christian way of life at their meetings.

Touching on state board business, Mrs. Hess alerted York members that as yet there is no host for the regular Spring Rally. The state convention will meet January 11 and 12, with a key election for several officers and state directors.

Also featured during the day long program was key speaker Rev. Ronald Weagley of York, and the Ultimates, a barbershop quartet.

Green Valley Group 26 captured two top awards at the county-level of the statewide competition on quilting. Their winning entries took the pieced top category with a feathered star quilt, and the small items division with a calico quilted pillow featuring the Farm Women logo in the center. Both winning quilted pieces were designed by Ruth Hake. Winner of the appliqued top quilt style was a Dresden plate design entered by Edna Baughman, Group 4. Cora Miller, Group 11, took first place in

the knotted top competition.

York County cookbooks are now available to the general public, and can be purchased from members at the cost of \$6.50, or for \$7.75 postpaid from: York County Farm Women, treasurer Susan Lehman, Seven Valleys, R2, 17360.

Farm
Women
Societies

Lancaster Co.
Society 5

Lancaster Society 5 met on October 31 at the home of Martha Weidman.

Dr. Eugene Engle spoke on medications with particular emphasis on helping your doctor help you.

Members voted to make fruit baskets on November 23 for the shut-ins.

Society 5 will hold its next meeting on November 28 at the home of Esther Graybill.

Trim-a-tree winners receive awards

YORK — Ann Huschenreuter, Shane Taylor, and Brant Warner each won \$10 prizes and a chance to have their all-natural ornament selected to hang on the official Christmas tree of the Governor's mansion in Harrisburg.

The three were winners in the York County Farmers Association sponsored run-off for the state contest and recipients of top cash prizes offered by the farmers group.

Ann Huschenreuter styled a Christmas rose of corn husk to win the prettiest category. Ann, 14, is the daughter of Mr. and Mrs. Fred Hutschenreuter, R2, Airville and a member of the 4-H program.

Selected as the entry best using natural products was a slate and peacock feather decoupage done by seven-year-old Shane Taylor, son of Mr. and Mrs. Samuel

Taylor, R2, Airville.

A cross of twigs, woven together with natural vine material, was chosen the most original. Ten-year-old Brant Warner, son of Mr. and Mrs. Terry Warner, R1, Glen Rock, fashioned the Christmas cross.

Three runner-up prizes of \$5 each were awarded to A.J. Grim, age 7, of R1, Seven Valleys, Jeffrey Marsh, 4, R1, Seven Valleys, and Shonna Taylor, 13, of R2, Airville.

While the three top entries will compete to hang on Governor Thornburgh's tree, the remaining natural ornaments are to be offered to the county's Pleasant Acres complex for use as holiday decorations in the hospital-home facility.

Judge for the ornaments was York County Extension Agent John T. Smith. — JB



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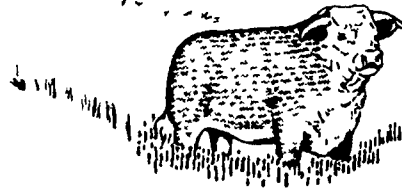
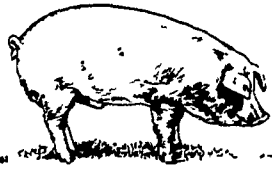
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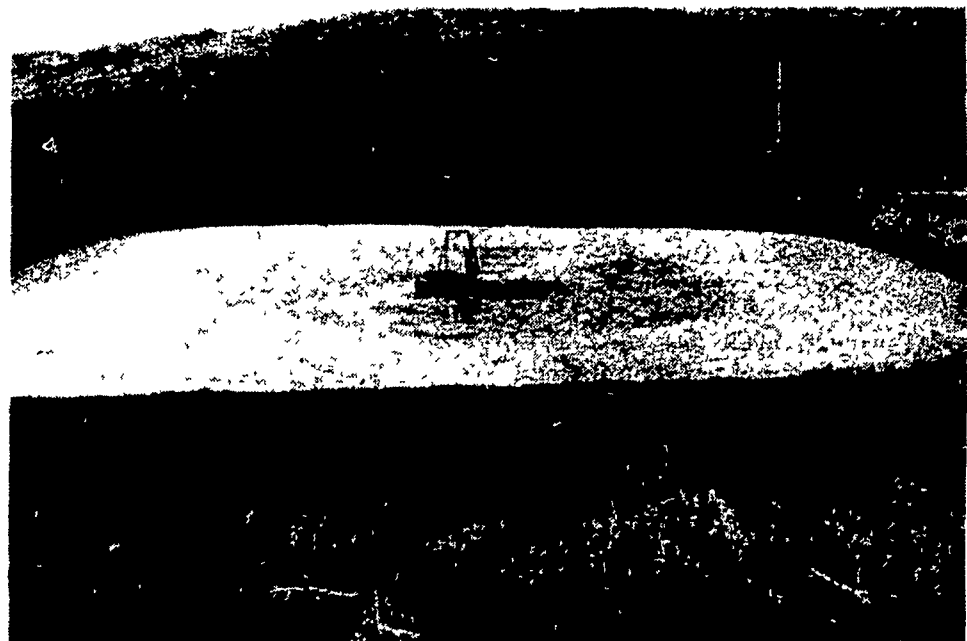
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Record number farm women attend county convention

BY SALLY BAIR
Staff Correspondent

LANCASTER — A record number of Farm Women members participated in the 64th annual convention of the Lancaster County Society of Farm Women held last Saturday at the Farm and Home Center. Five hundred and two women attended the day's activities which included turning over the reign of the organization from retiring president Opal Ruhl, 3225 Harrisburg Pike, Lancaster, to Fran Sauder, Mount Joy R3, who had served as first vice president.

Mary Shellenberger, Columbia R2, was elected second vice president during the meeting. Joan Hershey moved up to first vice president, with Judy Harnish, 168 Witmer Road, Lancaster, continuing to serve as secretary and Gladys Esbenschade, Paradise, continuing to serve as treasurer.

Mrs. Ruhl presented a check for \$2,380 to Doris Thomas, Lancaster County Extension Home Economist, to be used as a 4-H scholarship. The money represented the county project of the 33 Societies.

In accepting the check, Mrs. Thomas said, "4-H has changed and it no longer has farm boys and girls in the majority. However, it is still developing leadership. The total extension staff asked me to

thank you for your contribution, and not just for the money, but also for all the ways you support the cooperative extension service throughout the year."

Quilting had been selected as the state project, and the auditorium was filled with colorful quilts which had been entered in the competition. Judged by well-known quilt expert, Catherine Eshleman, the following winners will represent Lancaster County in the state contest: Connie Rutt, Society 31, pieced top (patchwork); Freda Wimer, Society 20, embroidered top; Katherine Esht, Society 1, appliqued top; Mrs. Alvin Musser, Society 4, white on white; Margaret Lefever, Society 22, baby quilt; and Judy Harnish, Society 28, pillow.

Attendance awards were won by Societies 19 and 24. Society 19, to which President Opal Ruhl belongs, was first with 74 percent of its membership present. Society 24 was a close second with 73 percent of its membership attending.

In her last report to the group, Opal said, "The past two years have been the most treasured years of my life and have been two of the fastest years. Thank you for the opportunity." The retiring president said her proudest accomplishment was the formation



New officers took over the leadership of the Lancaster County Society of Farm Women at their 64th annual convention Saturday. From left is retiring president Opal Ruhl, new county

of two new societies, #32 and #33. In the past year county membership was 1,010.

State Farm Women President Helen Hess, who will finish her term of office in January, presented gold lockets to five local Farm Women who have reached their ninetieth birthdays. Honored were: Mrs. Paul Reed, Society 7; Mrs. Katie Thompson, Society 16; Mrs. Florence Witmer, Society 12; Mrs. Nora Mellinger, Society 15; and Mrs. Mary Hostetter, Society 13.

In her remarks to the group, Helen said, "Farm Women has broadened and changed throughout the years. We have become more aware of the community and local and national issues. You should always let your voice be heard and continue to promote better living and working conditions for the farm women in the County. Don't compromise - always stand for the strength of your convictions."

She urged the women to write to their Congressmen on important matters and urged them to promote agriculture. Speaking strongly about farmland preservation, Helen said, "Once prime farmland is underneath shopping centers, apartment complexes and highways it can't be reclaimed."



Mrs. Opal Ruhl, county president, presents a check for \$2,380 to Extension Home Economist Doris Thomas to be used as a 4-H scholarship.

She concluded, "I have enjoyed wonderful fellowships and precious friendships during this year as State President."

Featured speaker at the convention was Dot Worth, radio Bible

teacher heard locally on WDAC radio and free lance writer. Mrs. Worth spoke about "a love story, the book of Ruth in the Bible."

On relating Naomi's trip with her family to Moab where she lost her husband and both of her sons, Mrs. Worth noted, "There are several things you must understand in time of trouble. One is that God brought me here in His will. Two is that God will keep me here in His love. Three is that God will somehow make this trial a blessing. And four is that He will bring me out again in His time."

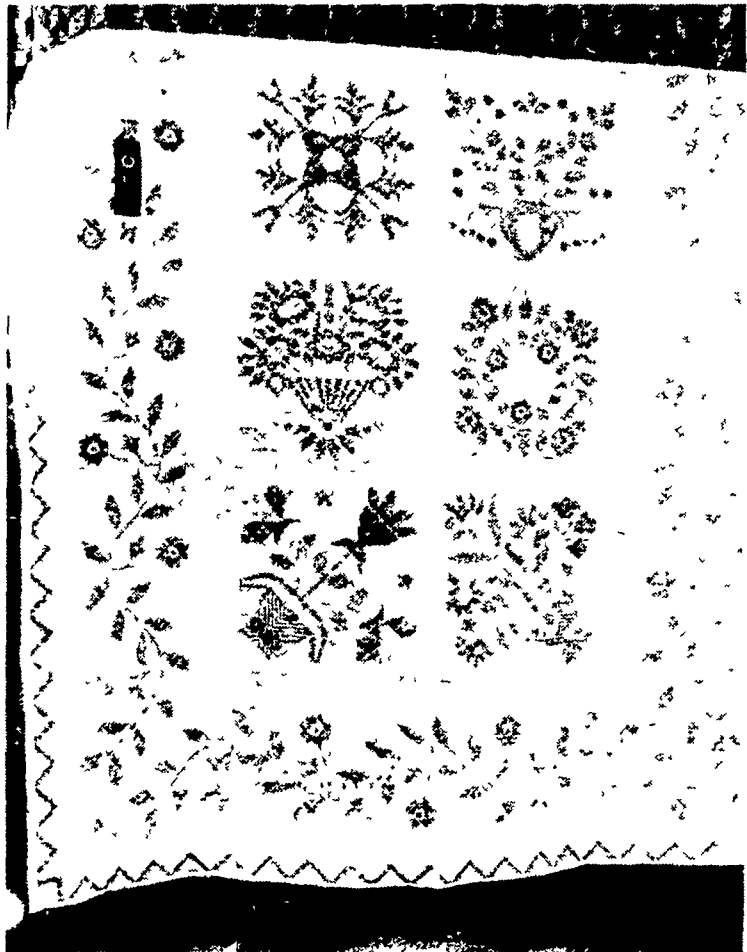
She added, "God does wonderful things with our lives once we are His. The Master knows how to take an instrument (which we are) and transform us. God will welcome you into the family that He has."

John Hess entertained with trumpet music accompanied by his wife. Surprise vocal solos were given by Helen Hess and Joan Hershey.

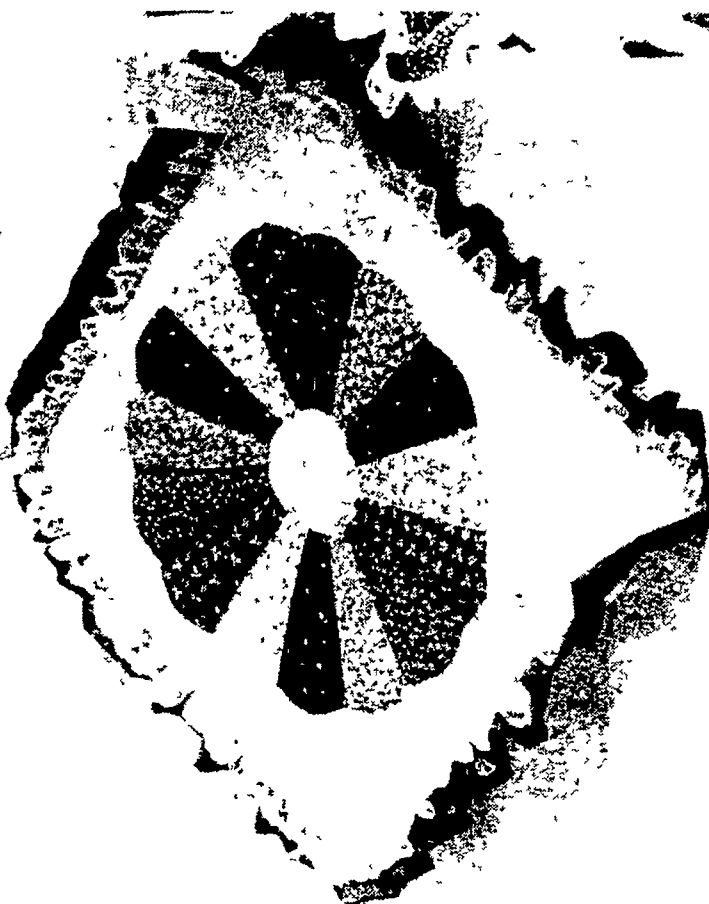
A memorial service was conducted by Allegra Leiminger in memory of the 15 Farm Women members who died in the past year.



State President Helen Hess, right, accepts a gift of a crystal dinner bell from county president Opal Ruhl.



This embroidered quilt placed first in that category and was stitched by Freda Wimer, Society #20.



Kathryn Esht, Society #1, won first place for her colorful appliqued quilt, which included pillow covers to match.

Ida's Notebook

Ida Risser



My husband says that if we only left the farm when the work was done, then we would never leave it.

I'm afraid that is only too true as we still have a field of rye to plant. Anyway, we spent two short afternoons fishing and hunting.

Our first little trip was to Conewago Lake in Pinchot State Park in York County. It was a cool, breezy day and I almost felt that I needed gloves to hold my rod. As usual the big ones weren't biting, but Allen enjoyed using our new electric motor on our boat. He even maneuvered us close enough to shore so that I could get a few wild grapes.

They tasted fine after I cooked them and added sugar. Even the small fish were a nice change from our regular hamburger diet.

After doing the milking and morning chores on another day, we started for the Blue Mountains in Perry County. We usually take turns driving so that neither of us gets too tired.

When we arrived at the very top

of the mountain, we found it silent and deserted. It was the most isolated area that I'd been in for a long time. The silence almost gave me goose bumps as I realized there was no one but me for miles around. We went our separate ways to hunt turkey.

As I set on a big rock in the warm sun and looked over the stark, bare, grey trees, I began to notice a little bit of life. A few moth-like insects, a fly and a larger, buzzing creature flew by. Later in the afternoon, a sparrow, a downy woodpecker and a nuthatch began to fly among the trees. Then I heard some dry leaves rustle and became alert only to discover that it was some chipmunks playing. So I ate my cheese sandwich and moved to a new spot to watch.

When a slight breeze blew through a nearby pine tree, with a singing sound, it made me think of the hymn that I heard in church on Sunday, "Breathe on me breath of God." It had been a pleasant afternoon.

Berks 4-H swine club holds banquet

VIRGINVILLE — The Berks County 4-H Swine Club recently held their Annual Awards Banquet at the Virginville Grange Hall. A Berks County ham meal catered by the Virginville Grange was followed by a slide presentation "Agriculture in China Today" by Ernest Heckman.

The awards program began with the presentation of trophies to owners of the Champion and Reserve Champion animals. Allan Rohrbach, Shoemakersville, was presented the trophy for champion animal, and Terry Snyder, Hamburg, received the trophy for exhibiting the reserve champion animal. These awards were sponsored by F.M. Brown's Sons, Inc. and Eastern Pork Producers Association.

Allan Rohrbach was also awarded a trophy for winning the showman championship in the senior division, and Terry Snyder received a second trophy for his first place victory in the senior fitting division. These awards were given by Berks-Lehigh Production Credit Association, Shoemakersville, and Farm Bureau, Bechtelsville.

Charles Seidel, Lenhartsville, was awarded a trophy for his championship in the intermediate showmanship class, donated by Agway, Inc., Leesport. Kenianne Rarick, Reading, was presented with a champion trophy for intermediate age division fitter given by Anthony's Feed Mill, Strausstown. In the junior age group, Steve Rohrbach, Shoemakersville, was the

champion showman and fitter for the second year in a row. These awards were sponsored by Van-Mar Feeds, Shoemakersville, and Kuzan's Hardware, Hamburg.

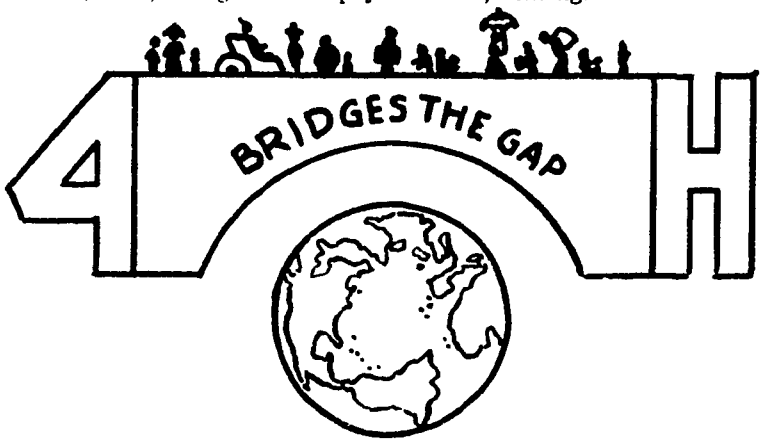
The club also gave trophies for the best blueforms, a record of their involvement in 4-H and other activities, and project books. In the blueform category, the best in the senior group was presented to Jan Adam, Hamburg. The intermediate group award was given to Charles Seidel, Lenhartsville, and the junior group award was presented to Clarinda Leatherman, Hamburg. These trophies were sponsored by Mogel Brothers Feeds, Hamburg; Dekalb's Seeds, Ernest Miller, representative; and Dennis and Beth Cooper, Lenhartsville.

For best project book awards, Mark Rohrbach, Shoemakersville, received the trophy in the senior age group, Kirk Fisher, Oley, received the trophy in the intermediate age group, and Kent Fisher, Oley, was given a trophy

for the junior winner. Donating these awards were Kissling's Mill, Bernville; Shartlesville Equipment, Shartlesville; and Sechler's Poultry, Strausstown.

Receiving certificates for completing their swine projects for 1981 were the following members: Denton Beck, Douglas Beck, Kristen Reifsnider, Kenianne Rarick, Greg Stricker, Charles Seidel, Henry Seidel, Gary Rohrbach, Mark Rohrbach, Kirk Fisher, Kent Fisher, Darlene Dietrich, Harold Dietrich, Dennis Cooper II, Terry Snyder, Allan Rohrbach, Steve Rohrbach, Lisa Leatherman and Clarinda Leatherman.

Assisting with the 4-H Swine Club for this past year were leaders: Alton Rohrbach, Shoemakersville; James Dietrich, Hamburg; Leonard Rohrbach, Shoemakersville; Dennis L. Cooper, Lenhartsville; Shirley Stricker, Bernville; and Kenneth Rarick, Reading.



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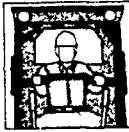
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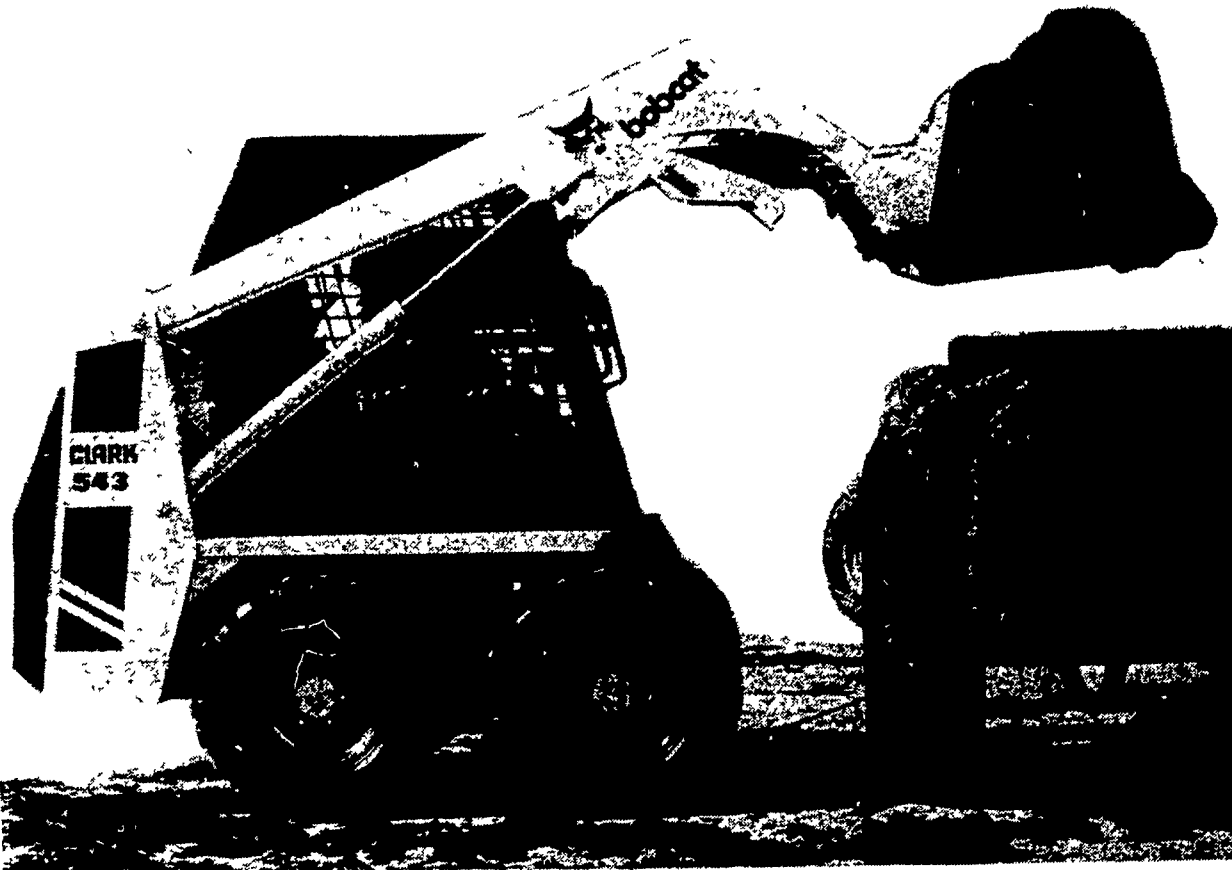
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*At the Lebanon Co. horse banquet***Pierce, Reyner emerge top winners**

BY DEBBIE KOONTZ

SCHAEFFERSTOWN — Round-up award winners in six 4-H horse clubs from Lebanon County were honored at the annual County Horse Clubs Banquet, Tuesday night, here.

Capturing the coveted Grooming and Showmanship award in the senior division was Hope Reyner from the Palm Trailblazers Club.

Sheri Pierce from the Spur and Bit Club received the same award in the junior division. Each girl received a trophy sponsored by Brandt's Mill and Saddlery Shop of Lebanon.

Hope also left the banquet with an award for Stock Seat Equitation in the senior division and recognition for being one of four members in the county horse judging team which placed at the state level.

Other members of the team honored were Jeanne Pierce of the Spur and Bit Club, Margot LeRoy of the Hoof and Horns Club, and Charity Saam of the Equestrians Club.

The team, who won the district competition, placed ninth out of 35 teams at the state meet. According to Judith LeRoy, leader of the team, they all were in the top 25 percent. "They had a higher total score on reasons than the winning team," she proudly emphasized.

Other winners, besides Hope, in the Equitation division were Zona Davis, Saddle Slappers Club, for Saddle Seat class, senior division; Tina Davis, Saddle Slappers Club, Hunter Seat class, junior division; Peggy Stoudt, Spur and Bit Club, for Hunter Seat, senior division; Carla Ditzler, Equestrians Club, for Hunter Seat (over jumps), senior division; Effie Baer, Equestrians Club, for Stock Seat, junior division; and Meagan Burrichter, Hoof and Horns Club, for Saddle Seat, junior division. All members received trophies sponsored by the Hamilton Bank in Richland.

In addition to the Saddle Seat

award, Megan received a certificate for performance, and a hat tack as a regional 4-H demonstration award, sponsored by the Lebanon County 4-H Clubs.

The county horse bowl team was also honored with hat tacks. Members include Jan Davis, Zona Davis and Scott Eckenrode of the Saddle Slappers Club, and Melanie Lipensky of the North Cornwall Trailblazers. This award was sponsored by Martin E. Kleiner of Lebanon.

State Show participants were likewise awarded with hat tacks. In the production classes were Jeanne Pierce and Charity Saam.

Jeanne received first place in Stock Type Horse, Fille of this Year; first place in Stock Type Horse, Broodmare; and sixth place in Quarter Horse, 2 yr. old Gelding.

Charity Saam placed second in Stock Type Horse, Colts of the Year; and second in Stock Type Horse, Broodmare.

In the performance class five 4-H's were honored. They are: Dallas Baer, ninth place in Clover Leaf Barrel Race, ponies; Jan Davis, ninth place in Western Pleasure, ponies; Dawn Dohner, Pole Bending, horses; Todd Leibold, Open Trail, horses; Sheri Pierce, Open Trail, ponies. These awards also were sponsored by the Lebanon County Horse Clubs.

During the ceremonies, Dennis Hoke, county Extension agent recognized the leaders of the six clubs. They include: Elaine Kohr and Hope Saam of the Equestrians Club; Judith LeRoy, William LeRoy, and Jeanne Barry of the Hoof and Horns Club; Linda Boyer and Cely Daullary of the North Cornwall Trailblazers; Margaret Reyner and Sue Roth of the Palm Trailblazers; Karen Kleiner and Martin Kleiner of the Saddle Slappers; and Lucille Dohner of the Spur and Bit Club.

Serving as mistress of ceremonies was Jeanne Pierce who celebrated her last year in



Receiving Equitation awards at Tuesday's banquet were, front, Megan Burrichter, Effie Baer, and Tina Davis. Standing are Carla Ditzler and Hope Reyner. Zona Davis and Peggy Stoudt, also winners, were not available.

horse 4-H by presenting her club leader, Lucille Dohner, and judging team leader, Judith LeRoy, each a red rose.

Entertainment for the evening was William Fiesler who offered an act of magic, humor and ventriloquism.

Awards given for achievement were as follows:

—Equestrians: Traci Toner and Jenny Wolfe for perfect attendance; Mrs. Underkoffler for outstanding parent; Sandy Schucker for Sportsmanship.

—Hoof and Horns: Robbie Kain and Michelle Smith for perfect attendance; Niki Nye for most improved first year; Kris Lehn for best demonstration; Bryan Morgan for trail riding; Margot LeRoy for trail riding; Mrs. Barbara Morgan for outstanding parent.

—North Cornwall Trailblazers: Jon Boyer and Jeff Boyer, perfect attendance; Jon Boyer, best demonstration; Mr. and Mrs. Page Johnson, outstanding parents.

—Palm Trailblazers: Lisa Steiner, most improved first year; Hope Reyner and Holly Reyner, best demonstration; Tara Igou, sportsmanship.

—Saddle Slappers: Beth Ann Snyder and Robert Shindel, perfect attendance; Holly Eckenrode, most improved first year; Jessica Hartman, outstanding member in final year; Jan Davis, Zona Davis and Tina Dave, best demon-



Walking away from the Lebanon County horse awards banquet with Grooming and Showmanship awards were Sheri Pierce, left, of the Spur and Bit Club and Hope Reyner of the Palm Trailblazers Club.

stration; Robert Shindel, sportsmanship.

—Spur and Bit: Rynell Ensminger, Marlene Malin, and Jackie Brown, perfect attendance; Rynell Ensminger, most improved

first year; Jeanne Pierce, outstanding member in final year; Jackie Brown and Sheri Pierce, best demonstration; Frank Pierce and Joanne Pierce, outstanding parents.

Bradford launches 4-H memorial building fund

BY JANE BRESEE
Staff Correspondent

TROY, PA. — A 4-H Memorial Building Fund has recently been in memory of Linda Huislander, Bradford-County Extension Home Economist who died suddenly last August.

According to Brian Harris, chairman of the Building Fund Committee, the need for a 4-H building has long been realized because of the size of the 4-H Program. In 1981 Bradford County had a total of 2,629 4-H club members, 56 clubs, and 2,957 projects.

The decision to go ahead with the building program came after \$1500 came pouring in from individuals and 4-H club members for a memorial to Linda, who loved young people and was a very popular leader.

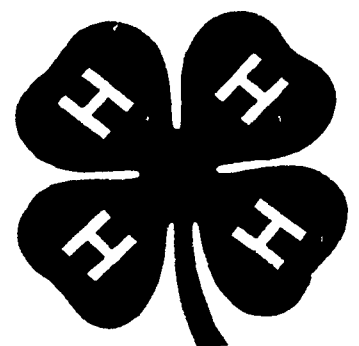
Members of Alparon Park Association which controls the Troy Fair Grounds where 4-H Round-up has been held in recent years, were most enthusiastic about a 4-H building, giving their consent and approval that it be built in the area where the craft tents are placed on Sheep and Wool Days, a popular part of the annual Troy Fair.

Plans call for a building 40 by 100 feet. Half of it will be used for 4-H projects, displays, and exhibits, and the other half for the exhibition of crafts during the fair. The building will be available for other activities with the permission and scheduling of the 4-H agent at the County Extension office, Harris said.

Cost projection of the committee for the building along ranges around \$25,000 with an additional

\$10,000 to furnish the interior. The committee is in the process of advertising for bids for building with the goal that it be completed for use at Troy Fair time next July.

All gifts to the fund should be made to Levetta Comstall, 4-H Agent, Bradford-County Extension Office, Towanda, Pa. 16848.



Members of the county horse judging team, which placed ninth at states, received stick pins for their efforts. Shown are, sitting, Margot LeRoy, and standing, Jeanne Pierce and Hope Reyner. Not pictured is the fourth member, Charity Saam.

At the county lamb round-up

Rohrer wins showman, fitting, champion ewe titles



Gerald Rohrer was the top winner at the county lamb round-up. He earned the titles of showman, fitting and supreme championship ewe with this Southdown. Gerald is the son of Robert and Anne Rohrer of Quarryville.

BY DEBBIE KOONTZ
LANCASTER — Members of Lancaster County's 4-H sheep clubs gathered for an afternoon of fun and showing last Saturday at the annual county round-up, held at the home of Tim Fleener, Lancaster.

Capturing the coveted Supreme Champion Ewe title was Gerald Rohrer of Quarryville. Gerald also walked away from the showing with Senior Showman, Champion Southdown, and top Fitting titles.

Keeping it all in the family was Barbara Rohrer, Gerald's sister, who received the Junior Showman (one and two years) award.

Another title bearing high honors is the Champion Market Lamb title which went to Pam Yeagley of Elizabethtown. Pam also earned top honors in the lightweight market lamb division.

In the heavyweight division, Phil Yeagley of Elizabethtown emerged victorious.

Because Pam Yeagley's champion market lamb is going to be shown at Farm Show in (Turn to Page B22)



Pam Yeagley walked away from the showing with the champion market lamb title. Pam is the daughter of Elvin and Jestena Yeagley of Elizabethtown.



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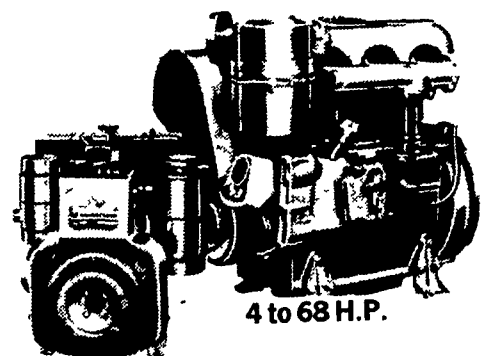
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Rohrer wins titles

(Continued from Page B21)
January, the second runner up, Stacey Nestleroth's lamb, was sold as champion at the Lancaster Stockyards Tuesday. The lamb brought \$2.50½ per pound and was purchased by Willie the Butcher Stacy is the daughter of Mark and Hazel Neslteroth of Manheim.

Ron Miller of Everett served as judge and Sarah Brubaker, 4-H leader and past sheep showwoman, announced results.

Results of the lamb round-up are as follows:

SUFFOLK Ewe Lamb

1. Jim Stauffer, champion 2. Machele Shuey, reserve champion

SOUTHDOWNS Yearlings

1. Gerald Rohrer, champion

Ewe Lamb

1. Barbara Rohrer, reserve champion

SHROPSHIRE Ewe Lamb

1. Mathew Snively, champion

HAMPSHIRE Yearling

1. Dan Anders
- Ewe Lamb
1. Jennifer Wolgemuth, champion 2. Ellen Lewis, reserve champion 3. Michelle Mylin

OWNED AND BRED

1. Machele Shuey, champion 2. Dan Anders

SUPREME CHAMPION EWE

Gerald Rohrer, Quarryville

LIGHTWEIGHT LAMBS

1. Pam Yeagley 2. Stacy Nestleroth 3. John Longenecker 4. Deb Martin 5. John Longenecker

HEAVYWEIGHT LAMBS

1. Phil Yeagley 2. Tim Engle 3. Tricia Musser 4. Tricia Musser 5. Deb Martin

CHAMPION MARKET LAMB

Pam Yeagley

RESERVE CHAMPION

Phil Yeagley

SHOWMANSHIP

3 yrs. and over

1. Gerald Rohrer 2. Jim Stauffer 3. Machele Shuey 4. Dan Anders 5. John Longenecker

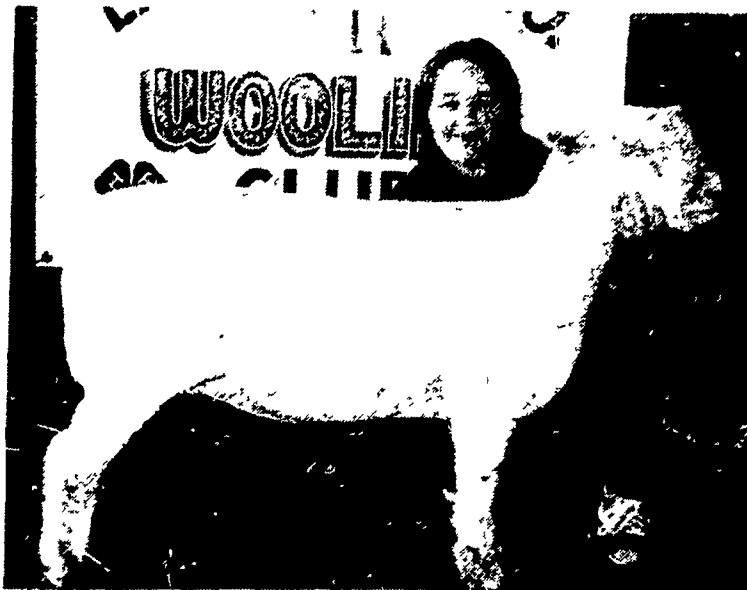
SHOWMANSHIP

1 and 2 years

1. Barbara Rohrer 2. Pam Yeagley 3. Jennifer Wolgemuth 4. Ellen Lewis 5. Tim Engle

FITTING

1. Gerald Rohrer 2. Barbara Rohrer 3. Tim Engle 4. Michele Mylin 5. Phil Yeagley



Gerald's sister, Barbara, followed in her brother's footsteps and left the ring a winner also. She earned the titles of reserve champion in the Southdown division and Showman for the one and two-year class.



Reserve Champion Market Lamb title went to Phil Yeagley of Elizabethtown. Phil is the son of Elvin and Jestena Yeagley.



Machele Shuey of Christiana earned the title of best owned and bred lamb. Machele is the daughter of Betty Shuey.



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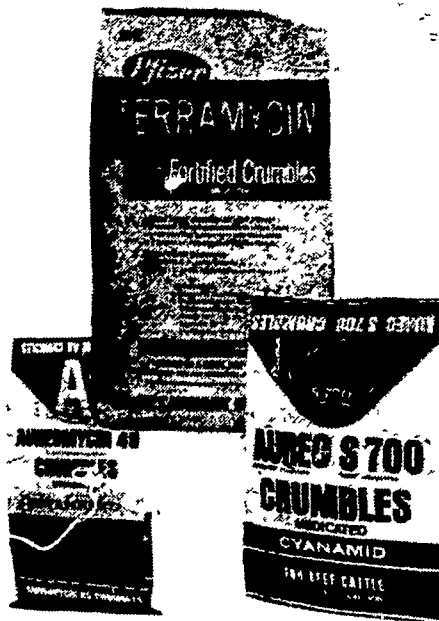
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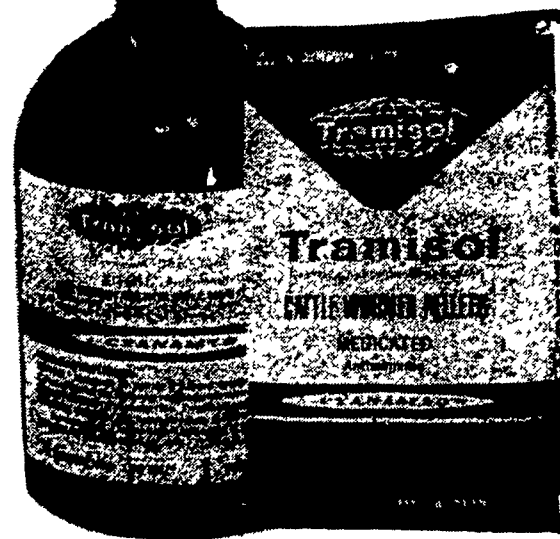
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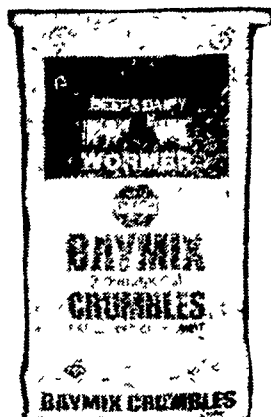
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Chester Co. honors 4-H'ers

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GUTHRIESVILLE — The Chester County 4-H Achievement Banquet was held Thursday October 22, at the Guthriesville Fire Hall. Over 270 4-H'ers and their parents were on hand to honor the county's project area achievers.

Betsy Wollaston of the Manor 4-H Dairy Club was the Emcee for the evening.

Two 4-H alumni, Patricia Jenkins and David Lytle, were on hand to speak. Patty, an ex-dairy member, is now employed by the University of Pennsylvania at the New Bolton Center in the Bovine Leukemia Laboratory where she has charge of the entire nursery. Her familiarity with the needs of the dairy industry helped her to obtain and maintain her present position.

David, is currently a sophomore at the University of Delaware majoring in Agricultural Economics.

Cathy Wollaston gave an example of an alternative to how 4-H might help youth — IFYE. The International 4-H Youth Exchange offered Cathy the opportunity to travel to New Zealand for eight months and become a traveling ambassador for the United States as well as 4-H.

Next Cheryl Moran, presented the long-awaited awards. She honored those teams and individuals who participated and excelled in state days activities, county round-up activities, fashion review, outstanding horsemen of the year, county physical fitness awards and blue form winners. Afterwards, Nancy Yarnall and Bil MacCauley were named Chester County's Outstanding 4-H Girl and Boy for 1981.

More county round-up winners were:

Veterinary Science- Champion, Danielle Gottlieb; Reserve Champion, Robyn Nesley.

Pet Projects- Champion, Susan Joy Gottlieb, Reserve Champion, Danielle Gottlieb.

Poultry- Champion, Lois Mark; Reserve Champion, Chris Wilkinson.

All American Foods- Champion, Dawn Marshall; Reserve Champion, Heather Babcock.

Foods- Champion, Jackie Heald; Reserve Champion, Anne Marie Hunt.

Clothing- Champion, Heather Babcock; Reserve Champion, Dawn Marshall.

Crafts- Champion, Barb Amalong; Reserve Champion, Tina Phipps.

Vegetable- Champion, Michael Fineman; Reserve Champion, Sarah Holmes.

Tomato-Potato- Champion, Lois Mark; Reserve Champion, Cathy McAllister.

Plan and Plant for Beauty- Champion, Michael Fineman; Reserve Champion, Steve Inman.

Handyman- Champion, Betsy Colket; Reserve Champion, Howard Mark.

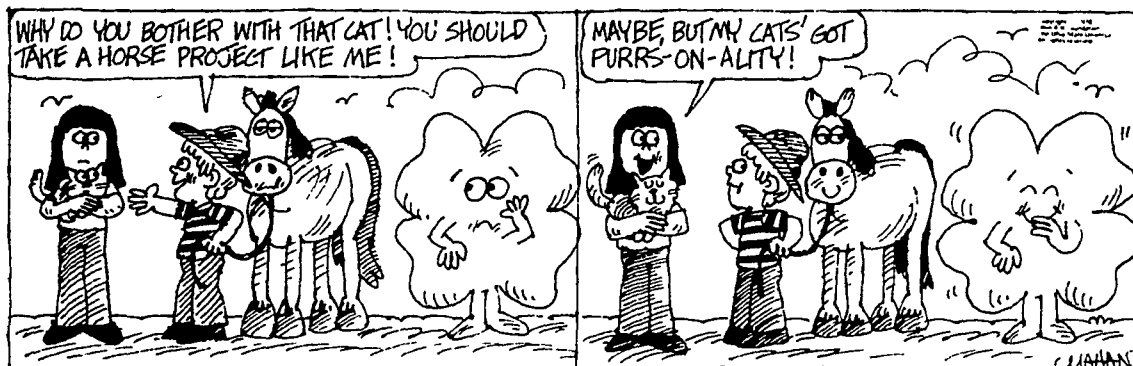
Outstanding Horseman Of The Year- Susan Hindle, and Kirsten McCuen.



Members of the Chester County horse judging team were honored for their efforts at the recent 4-H Achievement night,

Guthriesville. Honored were Nancy Yarnall, also outstanding 4-H girl; Brenda Kowal, and Sue Rehman.

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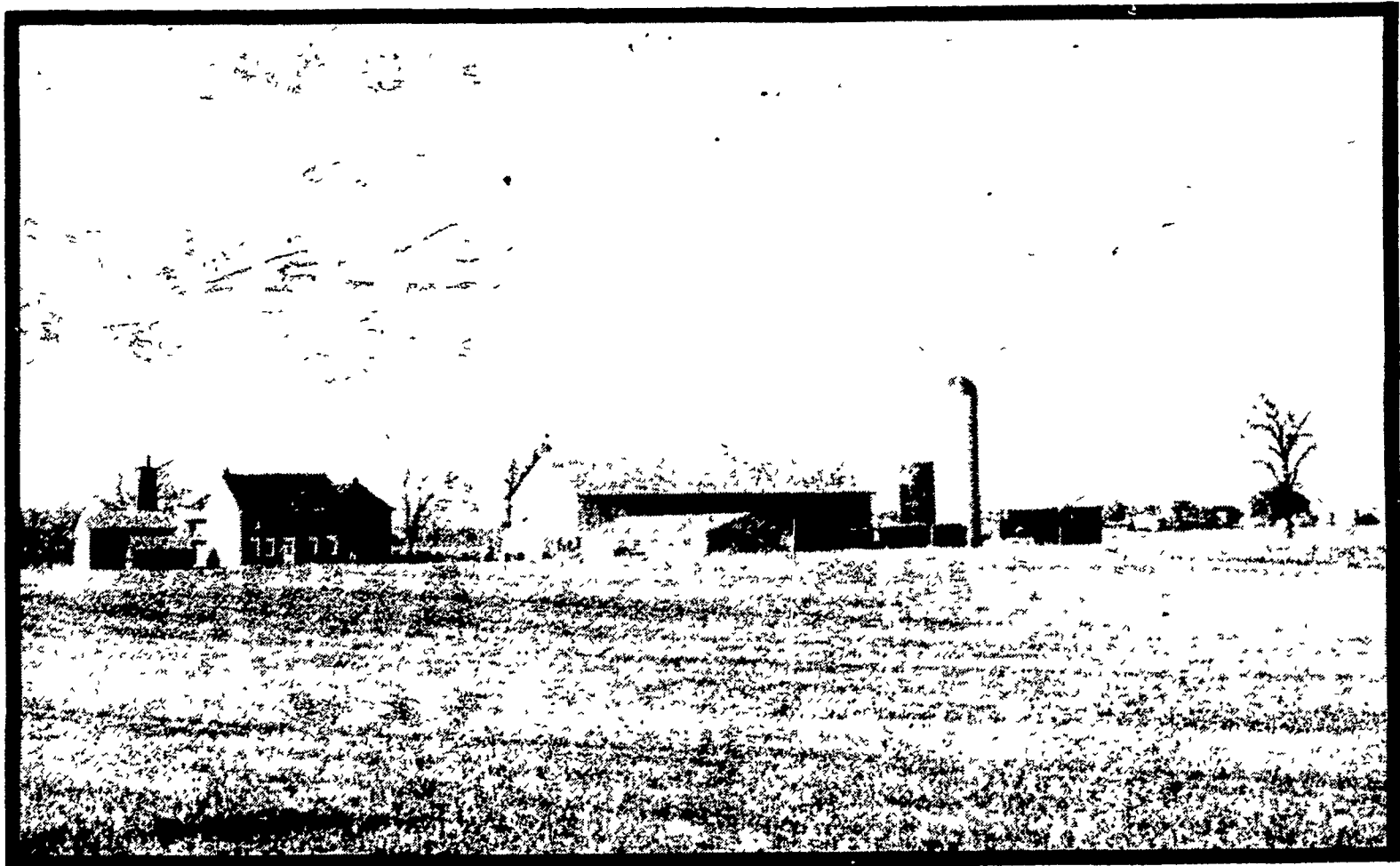
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Wayne 4-H'ers win awards

HONESDALE—The 1981 Wayne County 4-H Achievement Night was held on Friday, October 23 at the Honesdale High School. Over one hundred 4-H members, 4-H leaders, parents and friends were in attendance.

Kathy Muller, R1 Pleasant Mount, was selected as the 1981 Wayne County Outstanding 4-H Girl.

Kathy has been a 4-H member for ten years and has been very active in the Cold Springs 4-H Ag Club. She has served as president of the club for four years, has helped with club fund raising and community service projects. She is also active on the county level, currently serving as president of the Wayne County 4-H County Council and has also held the office of secretary of this group.

She has helped at the county-wide 4-H picnic, 4-H Achievement night, has helped at work nights at the Wayne County Fair and has participated in 4-H promotional events by helping to make radio tapes.

Her 4-H projects during the past ten years include: dairy, rabbits, entomology, veterinary science and horses.

Kathy has attended 4-H Capital Days in Harrisburg, 4-H Local Government Day, has shown her

dairy projects at the District 4-H Dairy Show and the State 4-H Dairy Show and has participated in State 4-H dairy judging competitions. Kathy was also a county dairy winner in the 1981 National Blue Forms Awards Program.

Kathy is the daughter of Mr. & Mrs. Robert Muller, Sr., who also served as 4-H leaders in the Cold Springs 4-H Ag Club.

Kathy is a 1980 graduate of the Honesdale High School and is currently attending secretarial school.

Larry Crimi, Jr., R3 Honesdale, was selected as the 1981 Wayne County Outstanding 4-H Boy.

Larry has been a 4-H member for four years and is active in the Cold Springs 4-H Ag Club. He is currently serving as treasurer of the club and is also a teen 4-H leader. Larry has helped with club fund-raising projects and community service projects such as the annual rabies clinic. Larry has helped at the Wayne County Fair and has helped to promote the 4-H program in the county by participating in making radio tapes.

Larry also is a member of the Wayne County 4-H Beef Club, currently serving as president of this 4-H club. He also has held the office of treasurer.

Larry is a member of the Wayne

County 4-H Livestock Judging Team and has judged at local and state 4-H events. He is a member of the Wayne County 4-H Potato Grading and Defect Identification Team that has competed at the Pennsylvania Farm Show for the last three years.

Larry has taken melons and strawberries as other 4-H projects and completed project work in the Wayne County 4-H Tractor Club.

Larry also was a participant in the 1981 Wayne County Conservation Camp.

Larry is the son of Mr. & Mrs. Larry Crimi, Sr., R3 Honesdale, who also served as 4-H leaders in the Cold Springs 4-H Club and the Wayne County 4-H Beef Club. He is a 9th grade student at the Wayne Highlands School.

Outstanding 4-H Club Awards were presented to the Cold Springs 4-H Ag Club as outstanding 4-H agriculture club and to Bethany 4-H Community Club as outstanding 4-H community club. Jackie Cook, home economist, presented the outstanding 4-H home economics club award to the Aldenville Baked Potatoes 4-H Club.

Wayne County had twenty county Blue Form winners in the 1981 National 4-H Awards Program. In the Agricultural Division, Kathie Eroh from

Pleasant Mount, Wayne Mang from R3 Honesdale and Pat Mang from R3 Honesdale were recognized as award winners. All three 4-H'ers are members of the Bethany 4-H Community Club.

Tina Bowen, from Aldenville and the Aldenville Baked Potatoes 4-H Club was the award winner in the clothing competition. Paul Hoffman and Kelly Smith, both of R1 Honesdale were award winners in the Conservation of Natural Resources division. Both are members of the Bethany 4-H Community Club.

Kathy Muller, from R1 Pleasant Mount and the Cold Springs 4-H Ag Club, was the award winner in the Dairy division. Julie Wojcik, from Aldenville and the Bethany 4-H Community Club, was the award winner in the Entomology division. Jeff Eroh, from Aldenville and Julie Ludwig, from R3 Honesdale, were award winners in the Forestry division. Both are members of the Bethany 4-H Community Club.

Karen Lupyak, from R3 Honesdale, Elayne Hoffman, from R1 Honesdale and Jeannette Romance, from Aldenville, were all award winners in the Gardening division. Karen is a member of the Cold Springs 4-H Ag Club, while Elayne and

Jeannette are members of the Bethany 4-H Community Club.

Suzane Walton, from R3 Lake Ariel, Michelle Pugh, R5 Lake Ariel, and Kelly Chamberlin, from R3 Lake Ariel, were all award winners in the Horse division. All three 4-H'ers are members of the Lake Ariel Easy Riders 4-H Club.

Steve Burlein, from R2 Honesdale and the Cherry Ridge 4-H Club, Kyra Gadowski, from R5 Lake Ariel and the Ledgedale 4-H Club, and Joel Ellsworth, from Waymart and the Bethany 4-H Community Club, were all award winners in the Veterinary Science division. Randy Campbell, from R3 Honesdale and the Bethany 4-H Community Club was an award winner in the Wood Science division.

Jackie Cook, Wayne County home economist, presented the Foley Food Awards to Michelle Jarrow and Ann Pontosky. Both are members of the Hollisterville 4-H Community Club. The Foley Food Awards are presented annually to 4-H home economics members that participate in a special recipe competition at the Wayne County Fair.

Tom Callahan, County Extension agent, presented 4-H folders to 4-H members that had submitted outstanding project books.

Wayne's top 4-H capon sells for \$2.35 a pound

HONESDALE—The 1981 Wayne County 4-H Capon Round-up was held last Wednesday evening at the Pleasant Valley Grange. Nearly one hundred 4-H capon members, parents, 4-H leaders and Honesdale Rotary members attended this annual Round-up, sponsored by the Honesdale Rotary Club.

Mike Curtis, R1, Waymart, and a member of the Steene 4-H Club exhibited the grand champion pair of 4-H dressed capons. This pair of capons tipped the scales at ten pounds a piece and scored nineteen points out of a possible twenty points.

Pam Eisenhauer, from Lakeville and the Ledgedale Community 4-H Club exhibited the reserve grand champion pair of dressed capons. These capons weighed in at 10 1/4 pounds and 9 1/4 pounds and scored nineteen points out of a possible twenty points.

The results of the judging in each age group was:

Beginners Division:

Blue ribbon group - Wesley Buck, Starrucca 4-H Club; Matt Swartz, Starrucca 4-H Club; and

Matt Marks, Tri-Gal 4-H Club.

Red ribbon group - Marshall Marks, Tri-Gal 4-H Club.

White ribbon group - Melanie Marks, Tri-Gal 4-H Club.

Champion in the Beginners Division was Matt Marks from the Tri-Gal 4-H Club and Reserve Champion was Matt Swartz from the Starrucca 4-H Club.

Junior Division:

Blue ribbon group - Melanie Buck, Starrucca 4-H Club and James Edsall, Bethany 4-H Club.

Red ribbon group - Mike Marks, Tri-Gal 4-H Club and Branko Dickhut, Tri-Gal 4-H Club.

White ribbon group - Tim Rhone, Starrucca 4-H Club.

Champion in the Junior Division was Melanie Buck, Starrucca 4-H Club and Reserve Champion was James Edsall, Bethany 4-H Club.

Middle Division:

Blue ribbon group - Pam Eisenhauer, Ledgedale 4-H Community Club and Steve Curtis, Steene 4-H Club.

Red ribbon group - Tom Billard, Countryside 4-H Club, Leanne Rhone, Starrucca 4-H Club and Joe Davis, Jr., Calkins 4-H Club.

Champion in the Middle Division was Pam Eisenhauer, Ledgedale 4-H Community Club and Reserve Champion was Steve Curtis, Steene 4-H Club.

Intermediate Division:

Blue ribbon group - Mike Curtis, Steene 4-H Club and Holly Reed, Cold Springs 4-H Ag Club.

Red ribbon group - Roy Rosengrant, Ledgedale 4-H Community Club.

White ribbon group - Diane McConnell, Cherry Ridge 4-H Club and Joel Ellsworth, Bethany 4-H Club.

Champion in the Intermediate Division was Mike Curtis, Steene 4-H Club and the Reserve Champion was Holly Reed, Cold Springs 4-H Ag Club.

Senior Division:

Blue ribbon group - Peggy Hoefling, Steene 4-H Club.

Red ribbon group - Mike Torquati, Steene 4-H Club and Ray Rutledge, Tri-Gal 4-H Club.

The Champion in the Senior Division was Peggy Hoefling, Steene 4-H Club and the Reserve Champion was Mike Torquati, Steene 4-H Club.

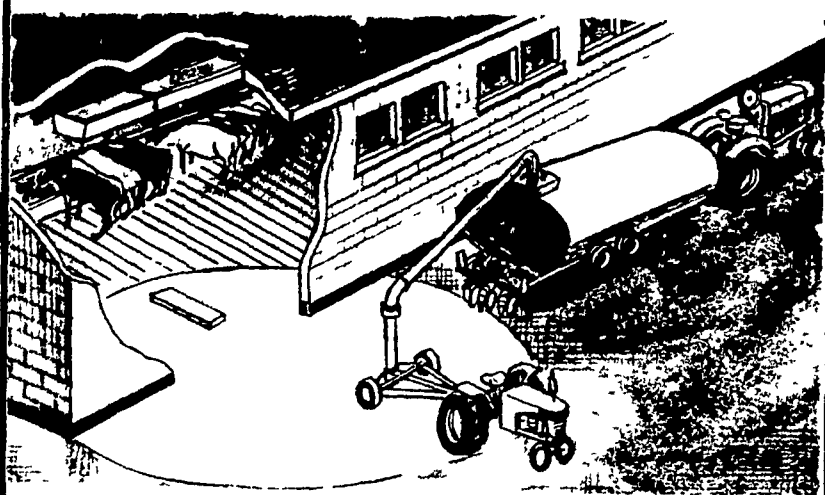
Herb Jordan, Extension poultry specialist at Penn State, judged the 4-H dressed capon show.

The highlight of the 4-H Capon Round-up was the auction. Rev. Norman Dunsmore, Honesdale Rotary member, served as auctioneer.

Judge and Mrs. James Rutherford paid \$2.35 a pound for Mike Curtis' grand champion 4-H Capon, and James Eastwood paid \$2.10 a pound for Pam Eisenhauer's reserve grand champion 4-H capon.

(Turn to Page B27)

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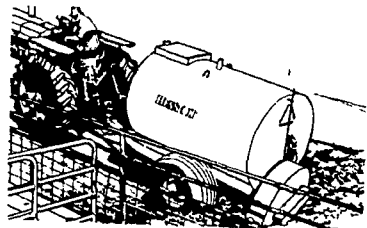
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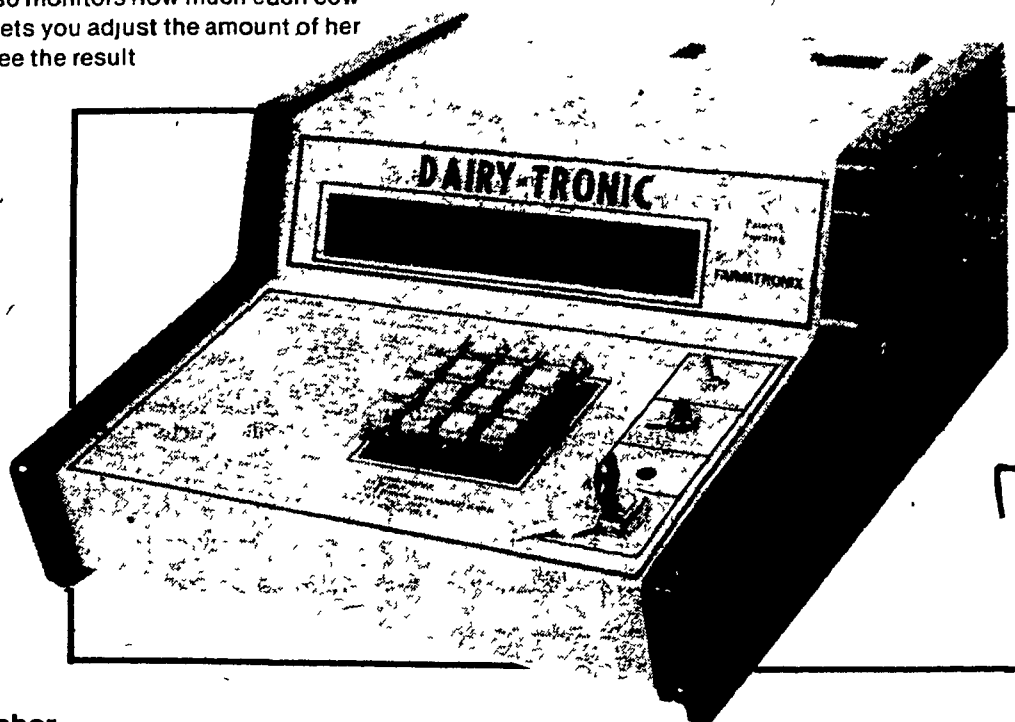
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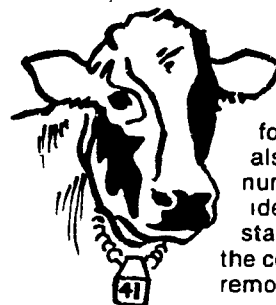
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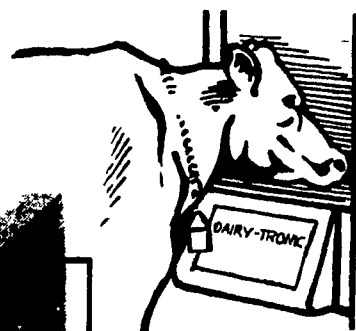
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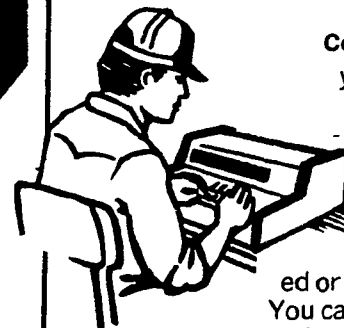
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Adams 4-H'ers receive dairy awards

BONNEAUVILLE — Over 70 members, parents and leaders attended the Adams County 4-H Dairy Club banquet held recently at the Bonneauville Fire Hall.

Speaking at the festivity was

Wayne capon sells

(Continued from Page B26)

The results of the rest of the auction:

Peggy Hoefling sold her Senior Division Champion capon to John Johnson for \$2.10 per pound. Holly Reed sold her Reserve Champion Intermediate Division capon to James Eastwood for \$2.15 per pound.

Steve Curtis sold his Reserve Champion Middle Division capon to Joe Cobb for \$2.10 per pound. Matt Marks sold his Champion Beginners Division capon to Mrs. James Rutherford for \$2 per pound.

Melanie Buck sold her Champion Junior Division capon to Milton Feldman for \$2 per pound. Matt Swartz sold his Reserve Champion Beginners Division capon to Albert Rutherford for \$2 per pound. James Edsall sold his Reserve Champion Junior Division capon to James Kuhn for \$2 per pound.

Mike Torquati sold his Reserve Champion Senior Division capon to Clifford Ammerman for \$1.95 per pound. Roy Rosengrant sold his second place capon to Rev. Bill Lewis for \$1.75 per pound. Ray Rutledge sold his second place

capon to Fred Miller for \$1.90 per pound. Branko Dickhut sold his second place capon to Ken Green for \$1.90 per pound.

Melanie Marks sold her third place capon to Henry Kretschmann for \$1.80 per pound. Diane McConnell sold her third place capon to Elmer Becker for \$1.80 per pound. Tim Billard sold his second place capon to Sam Shair for \$1.75 per pound. Marshall Marks sold his second place capon to Gordon Knapp for \$1.70 per pound.

Joe David, Jr. sold his second place capon to John Hagerty for \$1.85 per pound. Joel Ellsworth sold his third place capon to Roger Dillmuth for \$1.60 per pound. Tim Rhone sold his third place capon to John Creighton for \$1.70 per pound.

Leanne Rhone sold her second place capon to Louis Nielsen for \$1.65 per pound. Mike Marks sold his second place capon to Gordon Knapp for \$1.70 per pound. Wesley Buck sold his blue ribbon capon to Mrs. James Rutherford for \$2.00 per pound.

The average selling price for all of the dressed 4-H capons was \$19.20 per bird.

Douglas Hershey, from the Pennsylvania Holstein Association. He told the youngsters of the opportunities awaiting them in the dairy industry in the future and of the rewards.

Also speaking was Peggy Murren who gave a resume of the club's activities in the past year. She reviewed the demonstrations on how to make a rope halter, the workshops on fitting and showmanship, the Adams County Holstein Association tour and twilight meeting, the fun spent at the William Grove Amusement Park, as well as the county round-up show and the district and state shows.

Among the award winners announced at the banquet, was John Clowney, who was presented a leather halter from Atlantic Breeders Cooperative for his leadership work accomplished in the club and a ribbon and check for his fifth-place finish in the judging part of the All-American show held in Harrisburg. Other winners were Margaret Todt, who won the Senior member award, while Carol

Hobaugh won the Junior member award. All the 4-H'ers were given a merit ribbon for each finished project and a certificate for a completed year.

The champions of the county Round-Up were announced with Lane Mummert winning the first place Mini-Showman position and Keith Waybright taking second; Karen Hobaugh was named first place fitter with Jennifer Weimer named as runner-up; Margaret Todt was chosen the first place showman and Laurie Ridinger came in second.

The breed champions were: Holstein- Reserve Grand Champion, Lela Mummert; Junior Champion, Jennifer Weimer; Reserve Grand Champion, George Basehoar; and Grand Champion Kathy Duroraw;

Guernsey- Junior Champion, Peggy Murren; Reserve Grand Champion and Grand Champion, Susan Murren;

Jersey- Junior Champion and

Reserve Grand Champion, Carol Hobaugh; Reserve Junior Champion and Grand Champion, Karen Hobaugh;

Brown Swiss- Reserve Junior Champion, Junior Champion and Reserve Grand Champion, Dawn Meyers; Grand Champion, Todd Meyers.

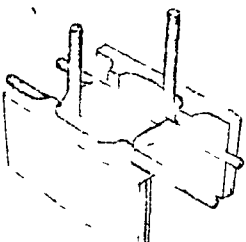
Officers for 1982 are: President, Margaret Todt; Vice President, Peggy Murren; Secretary, Jennifer Hess; Treasurer, Todd Durboraw; Song Leader, Carol Clowney; Game Leader, Lela Mummert; Senators, Kathy Durboraw and Peggy Murren; Gettysburg News Reporter, Kathy Durboraw; and Hanover Reporter, Jennifer Weimer.

Club leaders Tom Murren, Timothy Brown, Alan Zepp and Melvin Durboraw reminded the 4-H'ers that the next meeting is scheduled for 7:30 p.m. on November 19 at the St. James Lutheran Church in Gettysburg, M.H.G.

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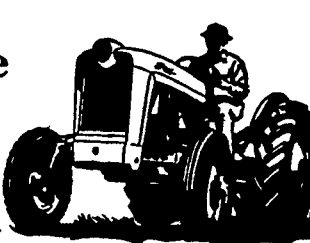
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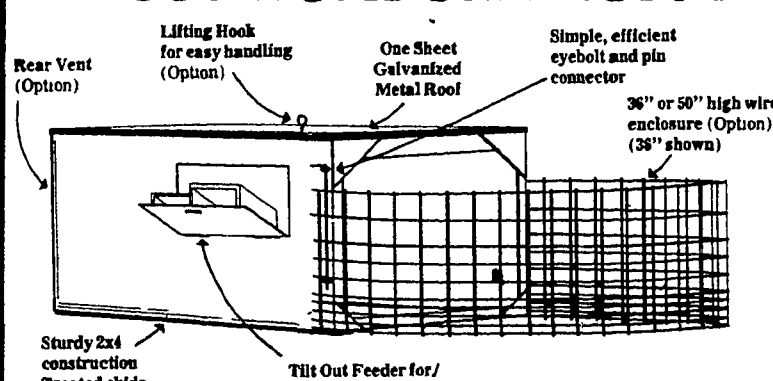
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Farmers may find new tax law complicated

Last of three articles on how the new federal tax law affects agriculture

NEWARK, Del. — Farmers will find many changes when they go to compute their income tax this year. They're likely to find many of these changes confusing and inconvenient compared to the old tax law.

The new Accelerated Cost Recovery System which replaces depreciation on all purchases made in 1981 is probably the most complicated part of the new law to deal with. Previous articles in this series have covered ACRS as it relates to direct purchases of machinery and other formerly depreciable capital items. But how does this system affect trades or family transactions?

Farmers frequently trade old machinery towards new. The new law provides that in this situation, the ACRS deduction is to be determined under regulations to be prescribed by the Treasury Department, says University of Delaware extension farm management specialist Dr. Don Tilmon. As of this writing, this information has not been made available.

Where family transactions are involved, personal property (machinery, equipment, and cattle) that you acquire from a relative in 1981 or after, or property that you have used in 1980 or before, must be depreciated. Its cost can't be recovered under ACRS rules.

The new system groups all cost recovery property into four categories, each with a different recovery timetable. There are 3-year, 5-year, 10-year, and 15-year classifications.

Farmers who prefer slower rates than these may employ an option known as the straight-line ACRS election. This permits you to recover the cost of 3-year property, for instance, in 3, 5 or 12 years, depending on which you prefer.

Each of the other three property groups has similar delay options, but each is different. To complicate matters further, recovery percentages change from year to year for each group.

There's a third cost recovery method which may appeal to some producers, Tilmon says. This permits you to recover your costs by depreciation based on units of production rather than years of life of a property item.

For example, a dairyman who's bought a new manure spreader might choose to calculate costs per hundredweight of milk. The question then becomes, how much milk will he produce before the spreader wears out? Assume he expects to produce about 30,000 hundredweight over the life of the spreader. Then divide the number of hundredweight of milk produced each year by 30,000 and recover that percentage of the cost that year. When he's produced 30,000 hundredweight, he will have recovered the full cost of the spreader.

In the past, additional first-year depreciation made it possible to recover 20 percent of the cost of qualifying property in the year of purchase. This was in addition to regular depreciation. The new law wipes out additional first-year depreciation.

Instead, you may select to recover a part of the cost of qualifying property as a current expense. The dollar limits on the cost of qualifying property that may be treated as an expense start at zero for 1981, increase to \$5,000 in 1982 and 1983 and then to \$7,500 in 1984 and 1985. For 1986 and after, the applicable amount is \$10,000.

Thus, if you buy a tractor next year for \$20,000, you may recover \$5,000 as a current expense. The remaining \$15,000 cost may be recovered via your ACRS deduction. One word of caution. No investment tax credit is allowed on the \$5,000 treated as a current

expense. However, you may claim a full 10-percent tax credit on the \$15,000 balance.

How will ACRS affect you? Assume 1981 has been a very good year for you. Your taxable income is going to be high. You bought a \$20,000 tractor and would like to recover as much of that money as possible against your 1981 income. Will the new cost-recovery system help you?

Unfortunately not, says Tilmon. Your ACRS deduction in 1981 is 15 percent of \$20,000, or \$3,000. This compares with a possible \$8,750 deduction, using last year's

depreciation methods and a 7-year estimated life (that is, additional first-year depreciation 20 percent of \$20,000 = \$4,000, plus regular depreciation by the double-declining balance method, or 28.57 percent x \$16,000 = \$4,570).

Now assume you're a fairly conservative operator and normally depreciate tractors on the straight-line basis using a 10-year estimated life. Last year's depreciation methods, which are out for 1981 purchases, would have provided \$2,000 depreciation (10 percent of \$20,000 = \$2,000). The new regular ACRS deduction is

\$3,000 (15 percent of \$20,000 = \$3,000). In this case, conservative operators may find it wise to elect the straight-line ACRS option.

In short, farmers who want to recover a large share of the costs of their 1981 capital purchases are likely to be disappointed with the new system. Those who want to recover a small share of costs may well receive more than they care to.

"Cost recovery under the Economic Recovery Tax Act of 1981 is not an unmixed blessing," concludes Tilmon.

What's best for pumping energy into your horse?

NEWARK, Del. — Food is the fuel that provides energy for living things. Just as some fuels are more efficient than others for heating your home, some foods are more efficient than others at providing energy for your horse.

Food energy comes from carbohydrates, fats, and proteins. Horses get most of their energy from carbohydrates — mainly starch and sugar. The sugar glucose is the primary product of the horse's digestion and an important source of energy.

Another energy source is the crude fiber portion of carbohydrates, which is fermented within the horse into volatile fatty acids it can burn for energy. The horse gets about 25 percent or more of its energy from these fatty acids, says Delaware Extension equine specialist C.M. Reithour.

Increasing the horse's ration of concentrate and/or roughage will increase the production of fatty acids. It is well accepted that high-quality grains are a better source of energy than hay, since they contain more energy per unit.

Common and acceptable grains

for horses are oats, corn, barley, and flaked wheat. Other acceptable sources are milo, rye, and dried brewers' grains. Both corn and barley are higher in digestible energy than oats; therefore, oats is termed a cooler feed than corn or barley.

Molasses gives a horse energy but is low in protein and phosphorus. Dried beet pulp has value as an energy-giving feed and is an excellent source of bulk. In addition, it can supply the horse with the important mineral calcium.

Immature and hard-working horses should receive rations in which a large part of the carbohydrate content is low in crude fiber and high in nitrogen-free extract. High-quality hays such as alfalfa, red clover, lespedeza, birdsfoot trefoil and timothy are excellent sources of crude fiber for young and adult horses.

Fats work much like carbohydrates in that they serve as a source of energy and they go into making up body fat. They are also

carriers of the fat-soluble vitamins, A, D, E, and K.

Fats furnish more than twice as much energy per pound than carbohydrates. Reithour recommends including a small amount of fat in the horse's ration — about two to three percent of the total ration.

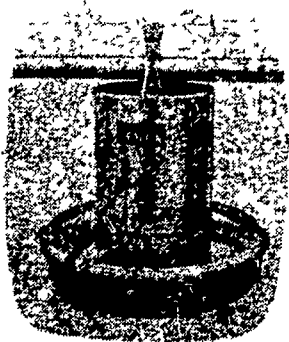
Recent studies at Virginia, California, and Colorado agricultural experiment stations suggest that the performance of horses can be improved when fat is added at the 5-12 percent level of the diet. Apparently, horses can use animal or vegetable fats equally well. However, fat added to the ration must be stabilized, and additional protein, vitamins, and minerals should also be included to maintain the proper ratio of nutrients.

A good source of unsaturated fats is corn oil, which horses accept very well. It may be advantageous for horses doing strenuous work to receive added dietary fat to meet their energy requirements.

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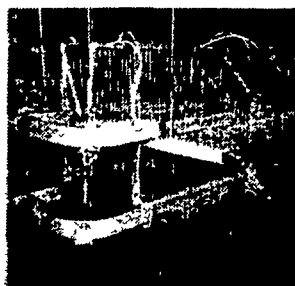
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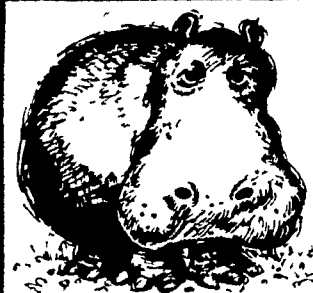


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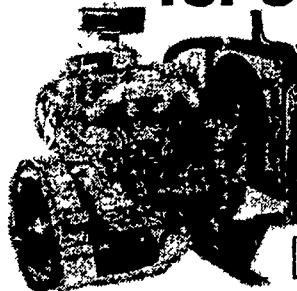
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Award for Best Decorated Pumpkin in Cedar Crest FFA contest is presented to Jimmy Houser by Clyde Forney, judge.

Cedar Crest FFA judges pumpkins

LEBANON — The Cedar Crest FFA held its annual pumpkin contest at the high school agriculture shop. Third and fourth grade students from the Cornwall-Lebanon School District participated.

Judge for the contest was Clyde Forney, an out-of-school member. While the judging was being completed, the participants enjoyed a movie and refreshments. The winners received cash awards and first-place winners received a trophy. The results of the contest:

Heaviest

1st, Paul Perini, Cornwall; 2nd, Kevin Kissinger, Cornwall; 3rd, Marci Leitz, South Lebanon; 4th, Chris Hummel, Ebenezer; 5th, Terry Wise, Ebenezer; 6th, Jennifer White, Ebenezer; 7th, Brigitta Bergman, South Lebanon

Most Uniform

1st, Marci Leitz, South Lebanon

Best Decorated

1st, Jimmie Houser, Cornwall; 2nd, Korey Wanzler, Cornwall; 3rd, Jennifer White, Ebenezer;

4th, Jeff Wagner, South Lebanon; 5th, Brigitta Bergman, South Lebanon; 6th, Kevin Kissinger, Cornwall; 7th, Heather Bailey, Ebenezer; 8th, Terry Weist, Ebenezer; 9th, Chris Hummel, Ebenezer.

FFA leadership session held

LEBANON — Eleven members of the Cedar Crest FFA recently attended a FFA Leadership Training Conference at the Annville-Cleona High School. The purpose of the event was to familiarize FFA officers and members with their duties and responsibilities as chapter leaders.

The group was greeted by James C. Campbell, principal of Annville-Cleona High School. As part of the program, Douglas Hershberger, State FFA President, Glenn T. Wenger, State FFA Vice President, and Dean Patches, State FFA Secretary, spoke to the group about leadership. A demonstration on proper etiquette was presented by Mrs. Cyril Beck, Home Economist.

After dinner, all members retreated to an officer group room where specific duties of each FFA officer were described. The highlight of the evening was the Green-

hand Quiz Contest where first year FFA members from Lebanon and Schuylkill Counties competed. The contestants had to orally answer difficult questions dealing with the history of the FFA. Competing from Cedar Crest were Ann Lannsberry, receiving 4th place, Ed Zuck, placing 6th and Gary Krall placing 8th.

Those in attendance from Cedar Crest: Bob Houser, Dave Ludwig, Scott Eckenrode, Dana Lape, Jeff Zuck, Steve Wenger, Bob Bomberger, Mark Patches, Ann Lannsberry, Heidi Peiffer, Ed Zuck, Gary Krall and Mr. Harold Berkheiser, Chapter advisor.



Attending the National FFA Convention in Kansas City this week from the Cloister Chapter in Ephrata are, from the left, Advisor Christine Adam, Steve Moyer, Brian King, Dwight Greybill, Jim Musser, Merle Martin, Richard Stauffer and Dan Lynch. Martin is a member of the Pennsylvania milk judging

team. Ron Good, a graduate, will receive a proficiency award in ag mechanics at the convention. The Cloister Chapter will be presented a Gold Emblem National Chapter Award for superior performance in comprehensive programs.



Judge Kerry Boyd, right, presents awards in Cloister FFA capon contest to Dean Saylor, left, first-place winner; and Dennis Saylor, second place. The contest was held November 3.

Cloister FFA initiates greenhands

EPHRATA — Twenty-seven first-year FFA students received their Greenhand Degrees at initiation ceremonies recently in the Ephrata High School Auditorium.

Scott Gingrich served as master of ceremonies for the program and the opening ceremony and initiation ceremony were conducted by chapter officers.

Kevin Devine, of the Cloister chapter, State FFA treasurer, addressed the group of parents and greenhands. A slide program of FFA activities was presented by Ron Weaver, Merle Martin and Dean Weaver.

Following the program the parents and grandparents toured the high school vo-ag department.

Greenhand initiates include Doris Anderson, James Artz, Lonnie Bauman, Michael Bollinger, Troy Carvell, Wayne Elser, Christina Ferrari, Steve Fox, Brian Frey, Jonathan Givler, Norman Good, Dale Horning, Nevin Horning, Anthony Jenkins, Jimmie Lausch, Brian Leathery, Ronald Lindberg, Steven J. Martin, Kerri McClellhenney, William Nuse, Andrea Patterson, Jeffrey Schnupp, Edwin Snyder, Clair Weaver, Gary Weaver and James Zimmerman.



Greenhand initiates at Cloister FFA include, from the left, front row, Steve J. Martin, Ron Lindberg, Andrea Patterson, Wayne Elser, Brian Frey and Doris Anderson; middle row, Jim Artz, J. Marvin Zimmerman, Lonnie Bauman, Mike

Bollinger, John Givler, William Nuse and Tony Jenkins; back row, Brian Leathery, Norman Good, Jeff Schnupp, Steve L. Martin, Gary Weaver, Kerry McKellheny, Clair Weaver, Steve Fox, Troy Carvell, Nevin Horning and Chris Ferrari.

FFA displays at East Towne Mall

East Towne Mall is cooperating with Lancaster County Future Farmers of America Chapters, Wednesday through Friday, for a special Harvest Week.

Of particular interest will be a duck slide and a baby barnyard and Lancaster County farm animals. Also on hand will be the Pennsylvania Department of Agriculture's Agri-Animals and the Country Store.

The main feature of the show will be the farm windows for a peek at what today's modern farmer must know. For example, Ephrata's FFA Chapter presents a display on

pesticide safety called Pesticide Precaution. Manheim's FFA expounds raising bunnies for money.

Elizabethtown's FFA explores the changes in agriculture showing what one hour's wage bought in 1950 as compared to what the same hour's wage bought in 1979. Penn Manor's FFA compares the cost of drying feed corn with solar energy vs. the conventional method.

Elanco's FFA declares that Lancaster County nourishes the nation showing input and output of agricultural products. Pequea Valley's FFA theme is fall harvest

safety and Lampeter/Strasburg and Warwick team up with a display of bee keeping equipment and honey with honey samples and honey for sale.

In addition to the farm windows giving a pretty good picture of the farm scene, there will be an information booth to answer questions. On hand will also be the county dairy and poultry processes and the State FFA president, Doug Hershberger.

Capon judging is scheduled at 6 p.m. on Friday, with an auction to begin at 7 p.m.

Agronomy winners



Elizabethtown FFA swept all of the top placings in the Lancaster County agronomy contest on November 5. Members of the first-place E-Town team include, front to rear, Tracey Stowe, Tim Albright, Randy Greenly, and Kevin Noll. Other teams placings were E-Town B Team, second; Manheim A, third; Pequea Valley, fourth; Manheim B, fifth; and New Holland A, sixth. The top 10 individual placings: Noll, 1; Greenly, 2; Stowe, 3; Gail Ginder, Manheim, 4; Kim Erickson, E-Town, 5; Albright, 6; Ken Ruhl, E-Town, 7; Mike Pflieger, Manheim, 8; Eric Warner, Pequea Valley, 9; and Jon Watz, Manheim, 10.

Best pastures start at top

COLUMBIA, Mo. — To get the most from pastures and the most efficient use of fertilizers, don't fertilize the soil. Feed the plants.

That means taking soil tests in the top three inches — not the top seven — when testing soils of permanent pastures.

It means topdressing to most efficiently supply nutrients to permanent, nonrotation pasture land, claims Earl Kroth, University of Missouri-Columbia soil scientist.

Kroth and his colleagues have spent more than 20 years studying the nutrient needs of tall fescue and reed canary-grass when used for pastures in Missouri. Their aim: average annual production of three tons an acre to be grazed without a complicated rotation system.

What they found is that excess phosphate and potash have a tendency to accumulate in the upper one to two inches of the soil. So, if farmers took soil tests to depths of seven inches, the tests show they needed more phosphate and potash than they actually did.

The scientists also identified the

phenomenon of "luxury consumption." In other words, if farmers put on more phosphate and potash than their forages needed the forages would use up the excess but would not increase yields accordingly.

"From all of our research, we are confident that topdressing is an efficient method of supplying nutrients to forage crops," Kroth said.

"Additional studies may indicate when it is best to apply phosphate and potash, spring or fall."

UMC studies indicate that split applications of 160 pounds of nitrogen per year produce optimum yields of tall fescue and reed canarygrass. Recent trials show that one of those 80-pound applications should be made in August; the other in May instead of December or March.

"The studies further showed that 30 pounds of phosphate per acre per year is a practical rate where forage is removed," Kroth said. "But if this pasture is just grazed, annual applications may not be necessary. That's because the nutrient is recycled and made

available to the plants due to decomposition of manure and ungrazed plant parts.

"On eroded Shelby soil, we found that we needed annual applications of 50 pounds of potash in combination with 30 pounds of phosphate to produce an optimum yield of three tons of tall fescue hay per acre.

"All of our studies emphasize the need for soil testing — especially the top three inches of permanent pastures — to make most efficient use of expensive phosphate and potash.

"Then we recommend topdressing to 'feed' the plants, not 'fertilize' the soil."

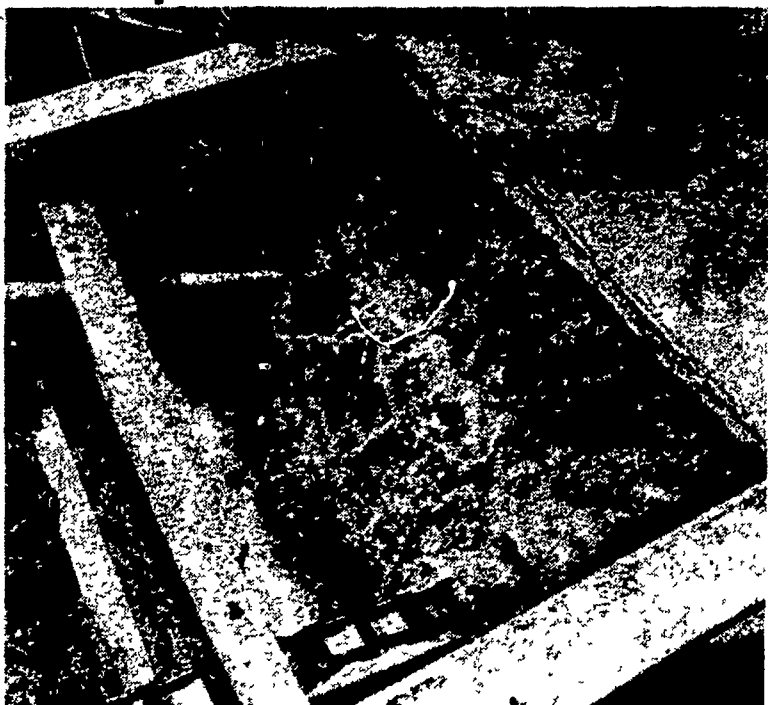
More information on fertilizing pastures is available from area extension agronomists, livestock specialists, farm management specialists or from district soil conservationists. They have copies of Missouri Agricultural Experiment Station Bulletin 1039: "Topdressing Nitrogen, Phosphorous and Potassium on Cool Season Grasses for Pasture Production," by Kroth and Louis Meinke.

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Penn State forester offers advice to would-be Christmas tree growers

UNIVERSITY PARK — Spurred by nostalgia and the prospects of seemingly easy profits, hundreds of Pennsylvanians in recent years have considered, or tried, growing Christmas trees.

"Many people are in for a rude shock or worse, a severe monetary loss," says James C. Finley, a Penn State instructor of Extension forest resources, who gives advice and aid to the Commonwealth's 350 to 400 commercial Christmas tree growers.

"Too many neophytes think they only need plant seedlings, wait eight to 10 years, depending on species, and begin harvesting an annual Christmas tree crop.

"Few such would-be entrepreneurs bother to learn the realities that make growing Christmas trees a time-consuming, risky financial venture."

Since Christmas trees—properly grown, nurtured and marketed—can be profitable, Finley is trying to warn would-be growers to seek professional advice before they begin. This may prevent a new group of people from suffering the fate of many Christmas tree growers of two decades ago.

In the early 1960s, Pennsylvania was the nation's largest Christmas tree grower, annually harvesting about 4.5 million trees. However,

for a variety of reasons—a major one being that 20 to 30 percent of the nation's Christmas tree market had been captured by artificial trees—Commonwealth growers found themselves with too many trees.

Many growers lost money, and the state's Christmas tree production began a dramatic decline.

Nevertheless, Finley says, then, as now, high quality trees were in short supply. While about 30 million live Christmas trees are sold annually in the United States, the highest demand—and price—are for cone-shaped trees with thick, even foliage.

What trips up many would-be growers, Finley cautions, is the "fine quality" proviso: quality Christmas trees are produced by dint of foresight, planning and hard work—not to mention a bit of luck.

Then there's the financial investment.

"Many neophytes overlook this aspect," says Finley. "Not only must they buy seedlings, but for the first decade or so, they'll get no profit and their land will be tied up."

"Other realities are the time and money needed for maintenance. Many novices are unprepared for the disease or insect problems that can decimate or severely damage

entire plantations. Few know of the destruction done by weather, birds, rodents, or deer, or of some trees' inability to adapt to a site. Often, only 40 to 60 percent of a grower's trees are marketable."

Many new Christmas tree growers don't know that, for optimum tree growth, the land must be limed and fertilized. Pesticides must be applied annually to minimize predator and disease losses.

And expensive machinery is needed to spray the trees, to mow weeds and to harvest and transport the crop. Finally, to increase the number of high quality trees, each tree must be limed and shaped at least five times during its growth cycle.

Also, to be successful, growers must avoid common mistakes: such as mixing certain species, thereby encouraging pest growth;

choosing species that make popular Christmas trees, but are less hardy and susceptible to certain diseases; and being unaware which species require specialized care or hold their needles longest.

"Finally," Finley says, "growers must have good road

access to their forests or plots, in order to maintain plantings and to harvest the crop.

"And, if their trees are near a major highway — a desirable location for major producers as well as small cut-your-own tree operations — growers must beware of theft.

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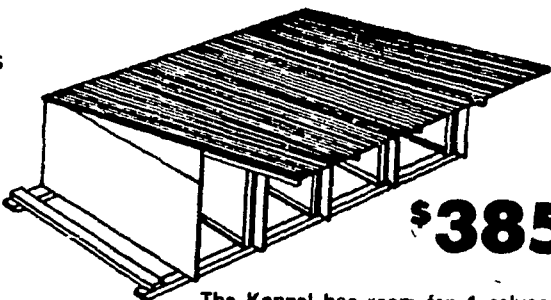
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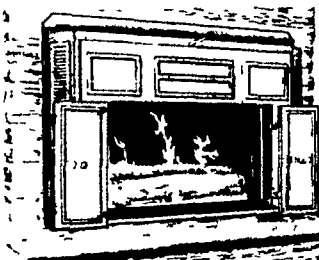
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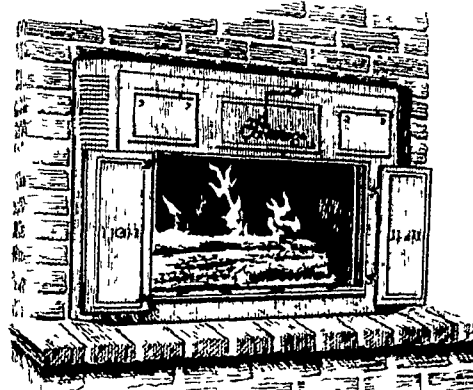
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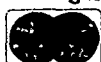


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USDA invention eases the making of plywood

MADISON, Wis. — Listen to the makers of plywood talk about their headaches and you might get the idea they drive racing cars, raise apples or manufacture candy for a living.

Words like "spinout," "large core" and "soft center" figure big in their vocabulary. The reason, says a researcher with the U.S. Department of Agriculture, is that these terms describe three problems that cost this country's wood products industry millions of dollars each year.

Now, says a USDA Forest Service scientist, the shop talk should turn more upbeat.

John Youngquist, a research project leader at USDA's Forest Products Laboratory here, says he and his co-workers have solved all three problems with one invention. The result, he estimates, can be a savings of \$75 million a year to the wood products industry.

Since the invention can favorably influence plywood production costs as well as supplies of wood products, he said, the prices you pay at the lumber yard may be affected in the long run as commercial producers adopt the

technology.

"Veneers used in plywood and furniture are made by peeling sheets of wood from high quality logs," said Youngquist. "Veneers are valuable, so we need to get the most from every log."

Youngquist said the Forest Service's solution to spinout, large cores and soft centers is called the "powered backup roll." Its inventors are research engineers Frank Fronczak and John Hunt of USDA's Forest Products Laboratory here.

"Basically, the device is two hydraulically-powered rollers which provide supplementary torque — the force needed to turn the log — to the outside of logs being peeled for veneer," Youngquist said.

"Conventional lathes used for peeling logs to produce veneer apply torque directly to the center of the log through the use of pronged shafts clamped to each end," he said. "Unfortunately, about 20 to 35 percent of all logs cannot be peeled because their centers are too soft to take the pressures produced by lathes."

"The powered backup roll

eliminates this problem in most cases by reducing the torque on the center of the log and transferring it to the log's sturdier outside surface."

Youngquist said spinout occurs when the force needed to turn the log in the lathe is greater than the force used to grip the ends of the log. When this happens, the wood breaks, the clamplike devices used for gripping the log spin free, and the log becomes useless for veneer. Five to eight percent of the logs selected for veneer production are damaged in this way.

Powered backup roll turns the log from its outside surface to greatly reduce the chances of spinout.

"Another problem is that a large core of the log often is left on the lathe because the chunks (prongs) used to grip and turn the log are so big they prevent the log from being peeled near the core," Youngquist said.

"By applying torque to the outside, the device allows smaller chunks to be used, thus permitting more veneer to be peeled from each log."

Studies show that the powered

backup roll's potential for reducing the diameter of unused log cores from 4½ inches to 3½ inches could save the American wood products industry \$40 million each year. Eliminating spinout could save another \$35 million annually, the researcher said.

"One of the best things about this device is that its use has no effect on the quality or thickness of the veneer that is produced," Youngquist said. "Using Douglas fir logs, we have produced veneers ranging from one-tenth to one-thirty-second of an inch thick without any problems. The process also is compatible with most conventional lathes."

A Boise Cascade Corporation

plywood plant in Yakima, Wash., is giving the powered backup roll a try, Youngquist said. Steve Loehnertz of the Forest Products Laboratory is providing technical assistance in monitoring the effectiveness of this first industrial production prototype, which was built by the Premier Gear and Machine Works of Portland, Ore.

If the device proves to be as useful as tests indicate, and the originators believe it will, the powered backup roll may become a standard feature of plywood plants in the near future.

"We've applied for a patent in the public's name," he said. "This would make the device available to everyone."

Build safety into farm ponds

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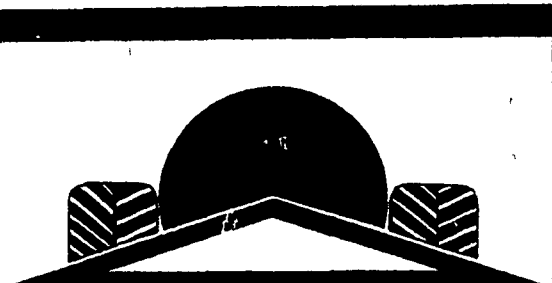
A pond is constructed for many reasons such as flood prevention, livestock watering, fire protection, or fish production.

When a pond is constructed, it is a natural recreation center for those who live near it and it is also often used for swimming, fishing, boating, or skating.

The unfortunate feature of a pond is that it is also a body of water in which drownings can occur. Drownings are the outstanding non-water vehicle cause of accidental deaths among people in

the active age groups, especially children. These deaths, by drowning, are due to swimming accidents, falls into the water while working or playing on or near bodies of water, and accidents involving small boats. Safety measures that can be built into ponds include evenly grading of spoil areas, avoiding steep slopes and holes in the pond, removing snags, big rocks and trash that could be a hazard to swimmers and boats.

Many other safety features can be done by pond owners without much expense. Some of them are life-saving equipment, placed near the pond, warning signs should be placed around the pond, use of good equipment if boating is done.



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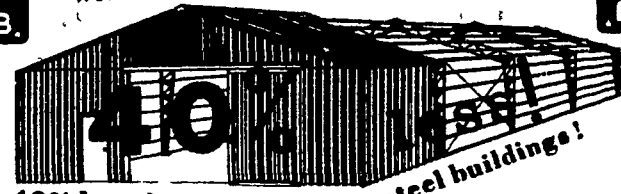
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Buffalo, adverse elements can't dim Alaskan dream

FAIRBANKS, Alaska — Neither marauding buffalo, nor a 30-day crop-spoiling rain nor an August 1 frost weakened the wills of a band of farmers determined to make a go of it north of the 64th latitude in Alaska.

Still, when the harvest was in last summer, the farmers pointed to what they called a "respectable" barley crop on 9,000 newly-cleared acres.

Don Quarberg, agricultural agent for the Cooperative Extension Service, who advises farmers for the county, state and U.S. Department of Agriculture, says these farms are part of 500,000 acres the State of Alaska has designated for cultivation by 1990.

In 1982, the Alaskans say, they'll put more land to work. Of the 60,000 acres they've cleared thus far, they expect to farm about 11,000 acres next summer. They've grown grain near Delta Junction, about 100 miles southeast of Fairbanks, for two seasons.

Quarberg says the Alaskan farmers have sound reasons for believing their endeavor — called the Delta Project — is doing okay. He claims the grain yields produced during Alaska's short but intense growing season have exceeded the expectations of the most ardent optimists.

Barley fields, he said, have recorded yields of better than 70 bushels per acre, although buffalo, rain and frost brought last year's yield on some farms down to 35 bushels per acre.

Many farmers like barley as a crop because it is an excellent livestock feed, and a growing number of farmers in the project are acquiring livestock, says Quarberg. Four of the farmers now have been cattle herds ranging from 30 to 200 brood sows; one has 17 dairy cows; another has 60; a third is building a dairy herd.

Still another farmer is launching a hog-raising operation with 70 sows and plans to increase this number to 150 in another year.

Next spring, the state plans to offer additional acreage in an expansion to be known as Delta II. Soil surveys are under way to determine which lands will be put on the block for Delta III.

The project was begun in August 1978 when state land east of Delta Junction and north of the Alaska highway was divided into 22 tracts

and sold by lottery, with the stipulation that the land be used only for agriculture. The tracts averaged 2,700 acres — larger than most Kansas and Nebraska wheat farms.

Here, modern-day pioneers planted crops on land that had never been farmed. They dealt with conditions that might have tried even the persistence and adaptability of their great-grandparents moving west in the mid-1800's.

However, this group has helped that their ancestors never dreamed of.

That help comes from scientists with the USDA's Agricultural Research Service who work with state and university researchers in a continuing program aimed at meeting the needs of Alaskan agriculture.

These scientists tailor their research to develop means of meeting the special needs of Alaska's soil, climate and short growing season. They also take into account the need for genetically adapted crop varieties, marketing expertise and other factors peculiar to Alaskan farming.

In one research project, two promising varieties of six-row barley were introduced from Finland in 1978 and 1979. Both produced yields exceeding 100 bushels per acre in trials near Delta Junction.

One variety, Hankifa's Eero, is a dwarf type patterned after Green Revolution wheats and averages 16 to 23 inches tall. The other variety, Paavo, averages 31 inches high, 5 to 7 inches shorter than most varieties grown by Alaskan farmers.

Both varieties are early maturing and appear well adapted to conditions in interior Alaska.

Delta Junction farmers found, however, that even the new strain of barley planted in some of their tracts wasn't ready for the heavy rain that pelted the Delta area for 30 days during August and September last year, leaving a disappointing harvest for some.

For others, a herd of some 300 marauding buffalo destroyed more than 900 acres of grain just before harvest. Early frost on Aug. 1 damaged green barley kernels, adding to the list of farm casualties.

Yet, these farmers cling to their optimism, along with extension workers and USDA researchers who share their dream. They believe, said Quarberg, that the buffalo problem will be solved and that they will find ways to deal with whatever happens.

Like the pioneers of the "old" West, these Alaskans suffer from the isolation. Neighbors rarely live close by. Many families have no electric power lines. No telephones. It gets lonesome.

"But these are minor concerns," said Quarberg.

"These people have made a big investment in Alaska's future and they're making it work."

Alaskans believe they can avoid making many of the soil-wasting errors their ancestors made in the "lower 48" states in the past century. They cultivate their fields of barley between rows of moss and pieces of spruce trees left over when the land is cleared.

Called "berms," the ground cover between crop rows are burned in the fall and winter.

Alaskans worry about winds carrying the rich, top layer of soil away from the land, so they create windbreaks. They do this when they clear the land by leaving rows of trees standing every one-fourth of a mile.

Weeds, a major headache in the "lower 48" states, aren't much of a bother in Alaska. Few weeds grow on this newly-cleared land. Minor annual weeds do plague some older, developed Alaskan farmland, but proper cultural practices bring most of these under control. Few chemicals are needed.

Wild plants and animals are protected in wildlife preserves within the Delta expansion project. A greenbelt along the river in Delta West has been set aside to insure that the salmon spawning grounds will not be affected by siltation or human encroachment.

On Delta East, headwaters of Clearwater Creek are protected in the same manner, along with an historic peregrine falcon nesting ground.

Agriculture storage facilities and a transportation system to haul farm products to market are critically needed, say the farmers. They especially need facilities to transfer grain from trucks to railroad cars at North Pole, a small town south of Fairbanks, and then from the railroad cars to ships at the Port of Seward.

The farmers say a ready market awaits their grain in the Pacific rim countries.

A shipping terminal is planned for Seward, and there is talk of a grain terminal in Valdez, the coastal town where oil from Alaska's pipeline is put aboard ships to enter world commerce. The Alaska Farmers Cooperative has expanded its grain storage facility by 6,000 tons to 13,000 tons, and a transportation network to service the farmed tracts is on the drawing board.

Doubt the future of farming in this cold land and the Alaskans will tell you:

"Come back and take another look in 10 years!"

U.S. benefits from Polish research

WASHINGTON, D.C. — A team of U.S. Department of Agriculture forestry experts have reported current Polish-U.S. remote sensing research could bring benefits in the forests of both countries, according to Joan Wallace, director of USDA's Office of International Cooperation and Development.

Wallace said the team, back from a two-week scientific exchange trip to Poland, reported that country is using remote sensing to measure pest populations, do aerial photography and apply biological measures to control pests. Other areas of interest to both countries include remote sensing sampling and interpretation of air pollution damage to forests, monitoring water pollution, and using forest inventory data bases to test new monitoring, mapping and sampling techniques, she said.

The forestry team also said Poland could benefit from some of

the more sophisticated remote sensing techniques being developed in the United States for land use classification and mapping, and other applications, such as monitoring strip mining rehabilitation sites, the inventory of forest resources and area sampling techniques.

Members of the U.S. forestry team included: Raymond Allison and Frederick Honing of the USDA Forest Service, Washington, D.C., and Gyde Lund, stationed with the Forest Service at Fort Collins, Colo.

Wallace said a four-member Polish team of cartographers and remote sensing experts visited the United States last September to observe U.S. applications of aerial photography and Landsat satellite

data by USDA agencies. Continuing scientific exchanges involving agriculture, as well as forestry, are planned with Poland, Wallace said.

Forests cover 28 percent of the total land area in Poland. Some 80 percent of the trees are coniferous, including large stands of pine and spruce. Poland has 21 national species of trees and 20 imported varieties.

It is generally believed in Poland that problems with insect pests there have increased because of a system of monoculture, or the commercial growth of one kind of tree. U.S. team members said Polish scientists feel the need to promote silviculture methods which develop more natural stands of forests.

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UDIA president addresses 4-H conference

ROSEMONT, Ill. — Glenn H. Lake, president of United Dairy Industry Association, addressed about 250 delegates at the 27th Annual 4-H Dairy Conference, recently at the University of Wisconsin-Madison.

Lake's remarks, "A Look at the Future of the Dairy Industry," highlighted a luncheon hosted by UDIA, which also sponsored a seminar at the three-day conference.

The conference is held to familiarize 4-H'ers with dairy production, processing, marketing and use and to acquaint them with various career opportunities in the industry. UDIA's seminar, "More Than You Ever Wanted to Know About Milk Promotion," was presented by John Brookman, vice president, UDIA Communications; Bill Miller, corporate writer, UDIA Communications; and Donna Montgomery, associate nutrition specialist, Louisiana State University.

"We believe our responsibility is to provide example, unage, enthusiasm, planning and guidance, not just related to the 4-H project, but in every aspect of character building. It thrills me to work with one of the greatest institutions we have, 4-H, which is truly American in origin, in tradition, and in competitive spirit."

Lake then began his observations about today's dairy industry. "Our industry is dynamic and virtually mund-

boggling in scope. Each of us is a mere flyspeck among the 10 million or so people having something to do with producing, processing, marketing and selling the \$30 billion estimated retail value of dairy products to 230 million Americans each year.

"Every day of the year, milk is produced for market by some 200,000 commercial U.S. dairy farms. Every other day, this milk is picked up by a fleet of about 20,000 trucks and moved to one of 1,600 fluid bottling plants or 3,000 dairy product manufacturing plants. Another 20,000 trucks are involved in milk and milk product distribution. Ultimately, some 200,000 retail outlets of all kinds dispense dairy products to consumers.

"For dairymen, there are two vital components — market and price. As a lifetime dairy farmer, I know that a price without a market is not worth much. Conversely, I know that we won't be in business very long if we don't have profitable prices. There are more pleasant and less risky ways to get an abundance of fresh air and sunshine than by operating a dairy farm."

Dealing with specific economic opportunities for dairy farmers, Lake observed, "Now, at the beginning of what some call 'The Explosive '80s,' we find ourselves with a problem, in part related to our times, but also not totally new. This is the problem of substantially

more milk production than can be sold in the commercial marketplace.

"What brought on this situation? —27 consecutive months of increased milk production through July 1981

—1980 milk production up 4.1 percent over 1979 to 128.4 billion pounds

—1980 production per cow up 3.3 percent over 1979 to 11,875 pounds per cow

—17 consecutive months of increased milk cow numbers through July 1981

—Decline in commercial milk use of 1 billion pounds in 1980

—1980 Commodity Credit Corporation net purchases of 8.8 billion pounds of milk equivalent with estimates of 12 to 13 billion pounds for 1981 and 1982

—1980 CCC milk price support gross expenditures of \$1,353 billion."

Lake then discussed the dairy farmer's changing role in the U.S. dairy industry. "The companies who have been the giants in the dairy industry of the past are no longer as interested in fluid milk," Lake said. "Those giants are still giants, but their future lies in areas other than dairy products."

"Who then should be looking at the future of the dairy industry? The answer, of course, is 'the dairy farmer!' Because of these changes that are occurring in the dairy industry, a dairy farmer today should become more and more

interested in the area of marketing," Lake said.

"If we are going to be able to keep producing the amount of milk we are producing today, we are going to have to sell it. Those sales have to come from a marketplace where milk has been losing ground to other beverages. Recapturing lost sales is not going to be an easy task. It will take innovative ideas, new marketing concepts and plenty of hard work to get people to quit grabbing for cool cola, a cold beer or that cup of hot coffee."

These new marketing concepts have to come from organizations like UDIA and cooperatives whose owners are dairy farmers. They are not going to come from the former industry giants who have their assembly lines geared toward chemically produced imitation dairy products."

Speaking of imitations, Lake said, "Clouds are forming on the dairy industry's brightest horizon. Those clouds threaten stormy

times ahead for cheese producers. Congress' 1974 repeal of the Filled Cheese Act of 1896 combined with a federal ruling the same year allowing imitation cheese to be used in the federally funded school lunch program cleared the way for food processors to fabricate cheese-like foods.

"These imitation cheeses directly compete with natural cheese for consumer sales in what has been a good market. During the past 30 years, natural cheese consumption per capita has doubled. Production of imitation cheese has increased by 150 percent since 1978. Presently, imitation cheese production amounts to 5 percent of the total U.S. cheese production.

"Consumer and food processor acceptance of imitations encourages the accelerated growth rate these fabricated products enjoy. The low cost for ingredients is passed on to buyers at the retail level."

Vet discusses calf scour prevention

FORT DODGE, Iowa — "Calf scours" is a term covering a number of intestinal diseases manifested by a variety of symptoms, including but not limited to diarrhea, dehydration, coma and death, reports Dr. Richard C. Searl, D.V.M.

Environmental and management factors predisposing to calf scours include inclement weather, dampness, drafts, chilling colostrum deficiency, vitamin A deficiency, nutritional influences, excessive milk consumption, overcrowding, lack of sanitation and other factors. A variety of infectious agents are involved such as viruses, bacteria, protozoa.

The most commonly encountered primary and secondary complicating agent is a bacterium, *E. coli*, which is found wherever calves are raised. There are many strains of this organism affecting calves of various ages from a few hours after birth to several weeks of age.

A particular group of *E. coli* organisms described as Enterotoxigenic or Enteropathogenic

affect calves the first few hours or days of life. This particular form of disease is severe, economically important, and often unresponsive to treatment. It occurs at such an early age that active calf immunization is not possible.

Most, but probably not all, ETEC organisms contain hairlike growths called "pili" which serve as organs of attachment to gut cells, thus permitting their colonization, growth and the production of disease. These particular organisms alter the normal metabolic functions of cells lining the gut, stopping the absorption of nutrients and causing a leakage of body fluids into the lumen of the gut.

A watery diarrhea, dehydration, coma, and death results. The hairlike pili on these organisms are protein antigens, and the organisms may be neutralized and attachment prevented by providing colostrum which contains antibodies against them.

Vaccines are now available that, when given to the cow, increases antibody levels in the colostrum specific for the attachment antigens thus preventing infection.

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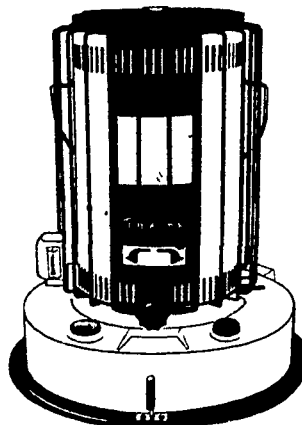
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BACK TO SQUARE ONE

It took only 21 days for Congress and the President to take away the 38 cent increase in the support price that they gave you on October 1 and roll it back to the \$12.80 you had on September 30.

That's because it's taking longer to write a new farm bill than they had planned and one of the hangups is dairy. The House approved a four year farm bill on October 22 by a narrow vote of 193 to 180 but it included the Bedell amendment.

This calls for continuing the present support price for one year then going to 72.5 percent of parity for a year then 70 percent for two years. Those last two years have a maximum of 3.5 billion pounds of milk equivalent for CCC purchases or the support price goes below 70

percent. This is different than the Senate version, so now the whole bill goes to a conference committee to iron out the details.

The only thing that's certain now is that the present support price of \$12.80 will stay for another year. Your only hope for improvement now is a change in the "make allowance" to get the manufacturing milk price up to \$12.80 from the present price of \$12.34 which is 46 cents below the support price.

This would be worth more than getting a 75 percent of parity price with no change in the present allowance of \$1.22 for butter-powder and \$1.37 for cheese which hasn't been changed in two years.

ANOTHER ROADBLOCK

Along with being stymied on price supports it may be a while before you have a chance to vote in

Pennsylvania in a referendum to support an advertising and promotion program.

Dairyland and Lehigh Valley are holding out for a matching funds program that would allow some of the money to be used for brand advertising. This would require an act of the legislature to change the present law and affect established programs for apples, potatoes and cherries.

Unless the other dairy co-ops and the general farm organizations support an effort to go with a referendum under the present legislation, it will be a long time coming in Pennsylvania.

BIG CHEESE

Milk producers generally have some vague idea that increases in cheese consumption have been a help to them but most of them don't appreciate its tremendous value to the industry and the prices they receive.

Just in the last ten years, while fluid milk consumption dropped seven percent from 271 pounds to 252 pounds per person per year and butter lost 22 percent of its sales from 5.3 to 4.1 pounds, cheese was making gigantic gains from 11.5 pounds to 17.3 pounds for an increase to 50 percent.

With the increased population during the last ten years, total consumption of American types of cheese has gone from 1.4 million pounds to 2.4 million for a whopping 70 percent jump. And that's just for the American types (like

cheddar, colby, and monterey jack) that make up only 60 percent of our cheese production.

Another way to appreciate the value of cheese is to recognize that nationally, farmers produce 60 percent of their milk for manufacturing dairy products. Out of all that "necessary surplus" milk, 46 percent is used to make cheese which has become a \$5 billion market for your milk. Is it any wonder we encounter such puns at dairy promotion meetings as — "what a friend we have in cheeses," or worse yet — "it is cheddar to give than to receive."

CHEAP IMITATIONS

With the boom in cheese consumption which really started back around 1965, it didn't take long for someone to get the idea of making it "just as good but cheaper" and by 1970 it started.

While the American type cheeses jumped 70 percent in consumption in ten years, mozzarella was gaining up to 10 percent a year. Most of this was due to a national craze for pizza that—no matter what else might be included — it had to be entombed in a layer of mozzarella cheese. As a result last year about 20 percent of all our cheese production was mozzarella.

Imitating mozzarella on pizza wasn't too difficult. It's not an "aged" cheese and when the pizza is baked it's too difficult to tell that it was made with casein instead of milk. In addition, the cost of the imitation was a third less than the dairy product so there was real incentive to make it. It's estimated that very soon imitations will have

50 percent of the mozzarella market and keep climbing.

NO END IN SIGHT

But it didn't stop there. On any evening you can go to your local supermarket and find lots of imitation cheese in addition to what's in the frozen pizza case. Some of them just take out the butterfat to reduce the calories for weight watchers while others go all the way substituting vegetable oils for butterfat and casein for the milk protein. And the prices are lower on the imitations of the American types also—about 40 cents or 17 percent less for the imitation cheddar compared to 12 ounces of good New York cheddar.

Besides the lower price, they tell you in big letters such things as "90 percent less cholesterol" or "75 percent less fat" or "50 percent less calories" or in one way or another appeal to the current diet trends.

You may think the threat of imitation cheese isn't serious but you've lost over five percent of your total cheese sales last year and that is expected to rise to 15 percent by 1985. To put it another way—each time you lose one percent of cheese sales you have lost \$120 million of dairy farm income. That's an average of \$1,825 per farm last year and \$5,475 per farm by 1985.

You didn't do much to stop the invasions of your market by oleomargarine or imitation dessert toppings or coffee whiteners but if you ignore the threat of imitation cheese you'll lose the only friend you have left in the dairy industry.

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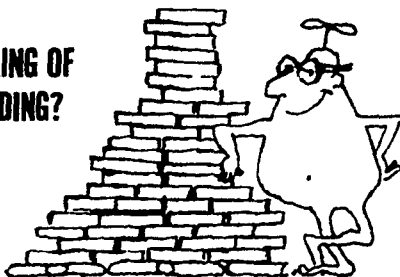
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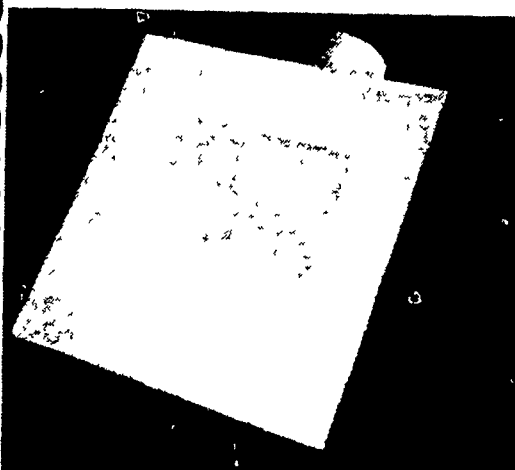
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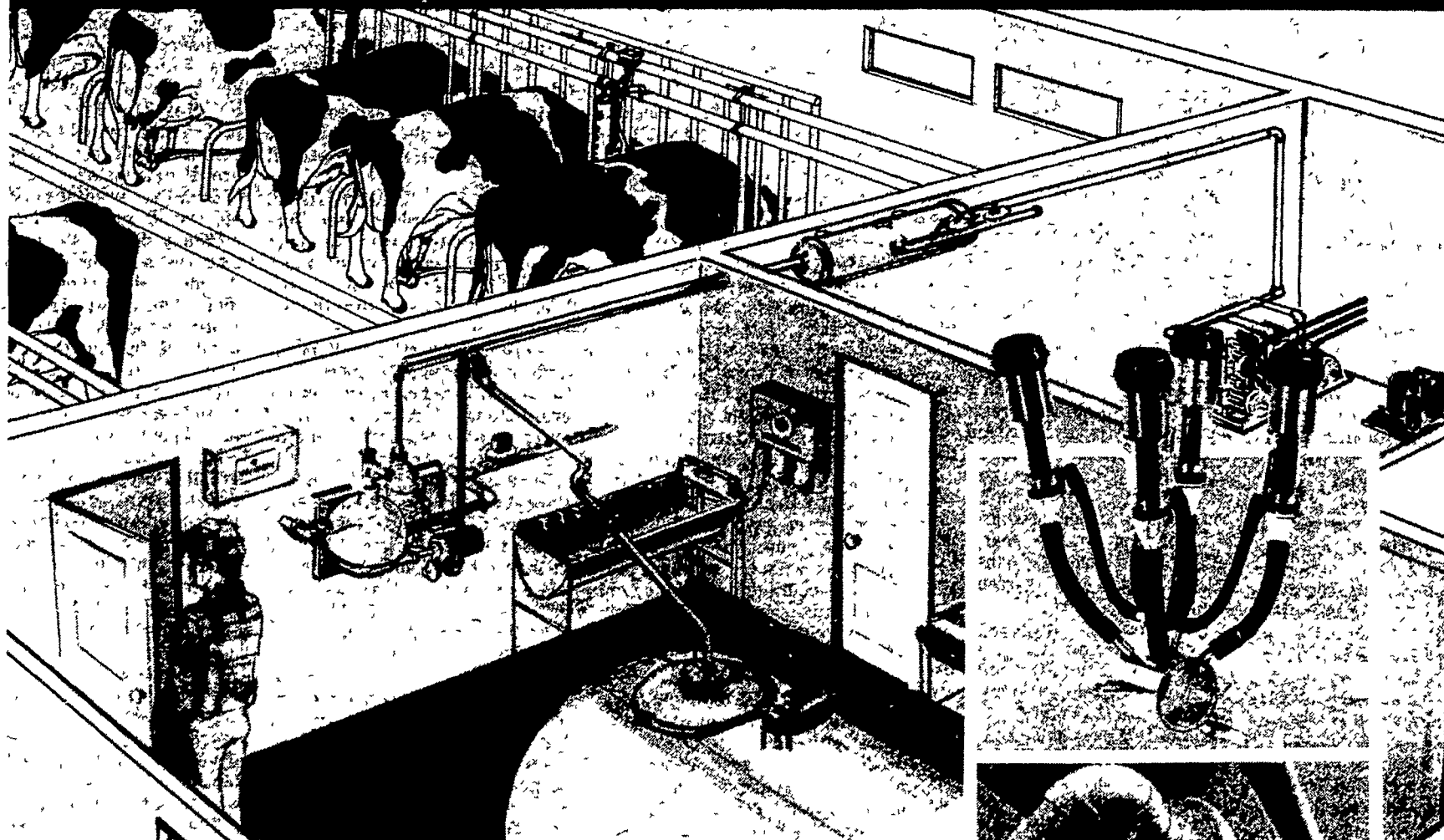
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Farmers face squeeze on available cropland

WASHINGTON, D.C. — U.S. farmers' unmatched productivity will be put to the test over the next 20 years, as they try to coax enough out of the nation's limited supply of cropland to meet sharply rising demand for their products.

According to one recent report, the National Agricultural Lands Study, urban encroachment and rural development have turned some of our most productive farmland into airports, shopping centers, industrial sites, housing developments, highways, and reservoirs.

The study estimates that non-federal rural land was converted to non-agricultural uses at the rate of about 3 million acres a year between 1967 and 1975. Over two-thirds of the conversions were to urban use or to rural residential, commercial, industrial, and transportation uses. The remainder of the land was turned into reservoirs and lakes.

Of course, only a portion of the converted rural land was cropland. According to the Soil Conservation Service, about 672,000 acres of cropland were converted to urban uses annually in the 1967-75 period. Possibly an additional 200,000 acres of potential cropland were also converted.

Looking into the future, the lands study puts the projected loss of current and potential cropland at up to 20 million acres in the next two decades if present trends continue.

Such figures deserve attention. Although there are several hundred million acres of cropland in the U.S., we're drawing from a limited resource.

Also, most of the readily available land is already in production and any conversions reduce the base for further expansion.

Soil Conservation Service surveys indicated a cropland base of 413 million acres in 1977. An additional 127 million acres were estimated to have "high" or "medium" economic potential for crop use.

Mel Cotner, who directs the natural resource economics unit within USDA, agrees that farm-land conversion may be cause for concern. He's convinced that American agriculture is capable of meeting the increased demand it will face by the turn of the century, but this assessment hinges on a number of factors, including steps taken to protect the nation's cropland base.

Market forces will also play a role in restraining the need for additional land, according to economist Robert Boxley. For example, the lands study calculates that most, if not all, of the nation's cropland base may have to be brought into cultivation to meet projected demand over the next 20 years.

However, Boxley points out that this conclusion assumes that growth in world food demand is unencumbered by major changes in present consumption habits, world production and trade patterns, and price relationships.

In all likelihood, an actual increase in cropland use of this magnitude could occur only if commodity prices were high enough to cover the production costs associated with bringing this much acreage of less productive land into cultivation. At such prices for U.S. commodities, world demand for U.S. production would probably be less than projected by the lands study.

Population growth remains one of the most significant pressures. More people than ever are moving to rural areas, where the population grew faster than in cities in the 1970's. Suburban population is expected to grow by 62-75 percent by the year 2000, adding to the ongoing expansion of urban areas into surrounding counties.

As demands increase for housing, commercial development, recreational facilities, roads, and schools, the immediate result is loss of farmland.

Some farmers sell their land rather than trying to cope with the tensions arising from increasing number of nonfarm people living close to their farms. Also, ordinances may be passed that restrict some of their normal farming practices, and they may be discouraged by vandalism of their crops and machinery, lawsuits over crop dusting, and declining political power locally.

The new residents' demands for improved services and facilities may also mean higher property taxes, and it is often the original residents — with their larger landholdings — who end up bearing most of the burden.

Economic growth is drawing people to rural areas. Jobs in virtually every industry grew at a faster rate in non-metropolitan areas than in urban areas in the 1970's. This leads to more industrial construction and, frequently, farmland conversion. However, it also provides in-

creased opportunities to farm families who depend on off-farm jobs.

Some researchers hold that the "impermanence syndrome" can speed the abandonment of farm-land. According to this concept, farmers look at what is happening around them and conclude, rightly or wrongly, that agriculture can't last much longer in their area.

They may stop making capital investments or adopting conservation measures that require years of farming to pay off.

Other analysts, though, insist that this practice doesn't necessarily lead to the actual conversion of farmland. In many cases, abandoned farmland is eventually brought back into cultivation by new farmers.

According to the lands study, the government contributes, sometimes inadvertently, to the conversion of farmland. The report noted a number of federal programs with the primary purpose of encouraging or aiding rural development, which may consequently result in the conversion of farmland to other purposes.

All this pressure on farmland wouldn't be so bad if annual farm productivity weren't also growing at a slower rate. In the 1960's, U.S. production increased enough to meet rising demand, even with a drop in the acreage planted, because the crop yield per acre increased by about 1.6 percent annually.

But in the 1970's the growth rate dropped, and three-fourths of the production increase had to come from increased acreage. From 1969 to 1980, acreage planted jumped from 299 million acres to 360 million acres, an increase of 20 percent.

Without a major technological breakthrough, the future crop yield growth rate could be as low or lower than that of the 1970's, according to the lands study.

One possible explanation for this drop in yield growth is that the land brought into cultivation in the 1970's was less productive. Also, the sharply rising cost of farm production inputs — especially energy-based inputs — encouraged some farmers to reduce their use

or to substitute additional land for purchased inputs.

As rising natural gas costs make irrigation pumps more expensive to operate, some land could be taken out of irrigated agriculture. At the same time, salinization of some western soils, caused in part by overirrigation, has reduced soil fertility.

While irrigation costs are rising, the available groundwater supplies are falling in many areas of the country, making it still more difficult to sustain the past output increases from irrigated agriculture.

These limitations also affect the amount of potential cropland that can be converted to crop use, while overgrazing of rangeland would lower its potential as cropland by increasing erosion.

Because of the uncertain prospects for improved yields, farmers may have to rely on increased acreage to meet demand in the next 20 years. But there is some uncertainty as to how rapidly or easily potential cropland can actually be converted to crop use.

Higher per-unit crop production costs will likely result, as potential cropland is generally poorer land, less stable in terms of crop yield. Longer-term problems may also come with use of potential cropland. It is generally more susceptible to soil erosion and environmental problems from pesticide and fertilizer runoff.

The problems stemming from the loss of cropland point to the wisdom or more carefully balancing farmland conversion decisions as one way to hold down production and food costs in the future. Mel Cotner also identifies other important issues:

- Meeting demand without long-term damage to our agricultural land base.

- Allocating agricultural research to assure future productivity growth.

- Emphasizing land-conserving techniques in farm management and conservation assistance programs.

Protecting the Land

How much is being done to slow the disappearance of cropland?

According to the lands study, the

"land ethic" preached by resource conservationists seems to be taking hold among at least some communities concerned about the loss of farmland in their areas. A key factor for success appears to be farmland preservation programs that are tied in with a community's comprehensive growth management plan.

Zoning is one of the most popular approaches to the problem. This is normally done at the local rather than the state level. In the last decade, 104 counties and 166 municipalities have gone this route, although, until recently, many zoning programs weren't stringent enough to effectively protect farmland, allowing small minimum lot sizes and open-ended lists of nonfarm uses.

New zoning ordinances have greatly decreased the allowed residential densities in agricultural areas or increased the minimum lot size. Rezoning is granted only to those lands no longer suited to agricultural use.

"Sliding scale" zoning is a recent experiment where the number of dwelling units permitted is based on the size of the parcel of land, with density per acre decreasing as the parcel size increases. For instance, a developer may be allowed to build four units on a 100-acre parcel, but only 10 units on a 500-acre parcel.

The purchase of development rights from farmers is another approach being tried in a few local programs. The community pays the farmer the difference between the value of the land for agriculture and its value as development property, thus compensating the farmer and keeping the land in agriculture. These programs, though, tend to be costly.

State governments have also taken action. In Illinois, the Agricultural Areas Act works in conjunction with county zoning laws to protect farmland. Agricultural districting designates legally-recognized areas for long-term agricultural use. In some cases, these areas are suggested by local farmers and approved at the state level.

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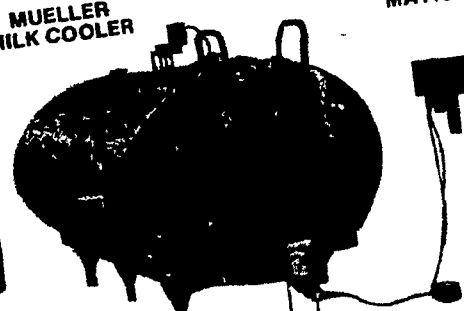
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Seed growouts assure correct labeling

WASHINGTON, D.C. — To the casual observer, Wilbur Anderson's field of cabbage and peas in Washington state is fairly ordinary.

Dan Cantliffe's Florida plantings of cucumber, squash and watermelon or Darrell Morey's wheat and rye fields in Georgia also appear ordinary.

But they aren't ordinary.

All three plantings are part of a network of open-air laboratories maintained by the U.S. Department of Agriculture and cooperating states to help ensure that seed is labeled and sold by its correct variety name.

Cantliffe, Anderson and Morey are all corn specialists who spend

part of their time working with USDA to check the accuracy of seed labeling as to variety.

"Correct variety labeling of seed is critical in today's market," says Don Ator, chief of the Seed Regulatory Branch of USDA's Agricultural Marketing Service. "To check the accuracy of seed labeling — we grow the seed —

seeing is believing."

As recently as 30 years ago, people had few improved varieties to choose from. Today there are thousands of varieties of field crops, vegetable crops and turf grasses. Each variety is developed for specific growing conditions or for specific end product uses. Soil, weather, geography, disease-

resistance, and intended use all are factors in deciding which varieties to plant. Choice of variety can make the difference between crop success or failure.

"If seed is incorrectly labeled farmers or home gardeners won't get the crop they planned," Ator said.

Variety testing is one part of a program to enforce the Federal Seed Act, a truth-in-labeling law intended to protect farmers and home gardeners who buy seed. USDA has seed test sites in 11 states.

State seed regulatory officials draw seed samples for germination and purity testing and send them to USDA, Ator said. The samples are taken at farm supply stores, hardware stores, super markets, warehouses—anywhere seed is sold.

"The sample seeds are carefully nurtured according to recommended practices for the crop being tested," Ator said. "Each seed lot under scrutiny is compared with a control sample to determine if it is the variety claimed. If not, distinguished characteristics of the plants are recorded and photographed to document the fact that the plants are not the variety named on the seed label."

"We find about five percent of the samples tested this way are mislabeled," Ator said. "Test results on offtypes are referred to USDA field agents and state seed control officials who pursue each case by checking records of companies involved."

The seed company then may be cited with a violation of the Federal Seed Act or of state seed laws.

"Sometimes a warning is sufficient," Ator said, "we could also take stronger measures — such as penalty action with a fine."

"There are many instances where variety mislabeling could result in financial losses," Ator said. "For example, a farmer growing barley for brewing could be damaged if the wrong variety is planted and the crop doesn't meet the standards required by the brewer."

"Home gardeners also can be hurt by mislabeling," Ator said. "It's frustrating to plan for one crop and get another. Paying a premium price for a special variety is a waste of money if the seed purchased is not true to the information on the label."

"Farmers and gardeners already have enough risks to deal with — weather, disease, markets. They shouldn't have to risk planting the wrong variety of seed," he said.

Proper seed labeling can't be taken for granted, Ator said. "Mislabeling can happen through human error, such as a simple switching of tags from one seed lot to another, or attaching the wrong tag to seed," he said. "Seed can be contaminated in the harvesting or cleaning process if equipment isn't completely clear of one variety of seed before the next one is run."

Seed varieties also can be contaminated or changed by foreign pollen, by volunteer plants, or by genetic shifts due to environmental factors. And, Ator said, seed varieties may be deliberately mislabeled as a marketing tool. For example, a variety of seed could be sold by one seed dealer to another. The second dealer might rename the variety to enhance sales.

"This not only is illegal," Ator said, "it further confuses what is already a complex marketing business. The consumer doesn't have a choice as to variety when these practices prevail."



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Medflies aren't new pest

WASHINGTON, D.C. — The Mediterranean fruit fly, commonly known as the Medfly, may be causing a commotion in California, but the fact is—the little winged bug is nothing new. It was first found in West Africa in the early 1800s, reports National Wildlife Federation, and since then has spread throughout most of the world.

Not a traveler by nature—the insect can fly only a mile or so on its own—the medfly's extensive excursions could only have taken place with the help of people. Hitching rides with man as he crossed continents, the pest has reached all parts of the globe, except Canada, most of Asia, and the arctic zones.

The National Wildlife Federation explains that despite quarantines, sterilization campaigns, and insecticide spraying, the Medfly's cream-colored larvae, or maggots, continue to destroy the insides of more than 250 kinds of fruit and vegetables, including apples, apricots, most citrus, coffee berries, mangoes, nectarines, peaches, plums, and tomatoes.

How can one tiny insect smaller than a housefly cause so much havoc? The Medfly makes up in reproduction powers what it lacks in size. And the hotter the climate, the faster it procreates. In sunny Hawaii it produces 12 or 13 generations a year.

About a week after they become mature, male Medflies gather in groups on host fruits or nearby leaves. Females are attracted by the male's scent and characteristic buzz. After mating the female uses her sharp-pointed ovipositor, or egg-laying apparatus, to puncture the skin of a just-ripening fruit, and she deposits about a dozen whitish glistening eggs in the hole she made. A single Medfly female in the wild can lay up to 500 eggs during her adult reproductive lifetime of about a month.

Her eggs hatch after a day or two and the soft-bodied larvae feed on the fruit, which fall to the ground prematurely and rot. After a week or two, the mature larvae—now about one-third of an inch long—crawl out. Each one burrows into the soil and forms a brown, seedlike pupa. After about nine days, it emerges as a fly to begin the cycle again.

How is this prolific and damaging pest controlled? In most Mediterranean countries it isn't. The pest is simply too widespread, and some nations report up to 100 percent infestation of soft fruits and a few vegetables.

Australia, however, has fought a winning battle against the

Medfly, which is confined to the southwest corner of the country. In Adelaide, the capital of South Australia, residents have been trained to recognize the rather pretty fly with its yellow abdomen and brown bands on its two clear, drooping wings, and they report sightings immediately. This method of early detection has helped eradicate the fly each time it has appeared.

Another method of early detection involves setting up traps which

look like cardboard pup tents. The traps are baited with a sex lure which attracts the flies. The insects are then captured inside the trap by a sticky substance on the tent's floor.

Both Israel and California spray an insecticide-plus-bait to combat the Medfly. The protein bait attracts the flies, which are then killed by the insecticide, usually malathion. Other weapons used against the Medfly include stripping of host fruits, release of sterile

flies, and biological control by means of parasites.

Malathion, the most effective tool for combating large Medfly outbreaks, is regarded by most scientists as a safe pesticide, but as Jorge Manning, a toxicologist with the National Wildlife Federation explains, "If it's economically possible, we always prefer to avoid use of any pesticide. Perhaps it's time we considered such land use techniques as alternating acres of fruit with other crops. That way you set up a biological barrier to both the Medfly and other damaging insects."

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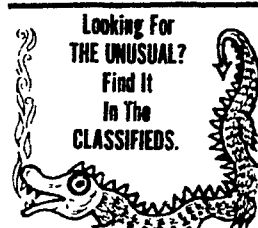
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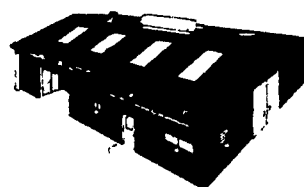
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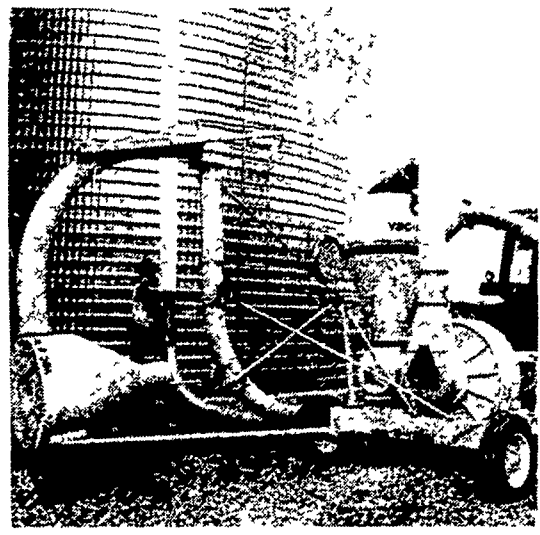
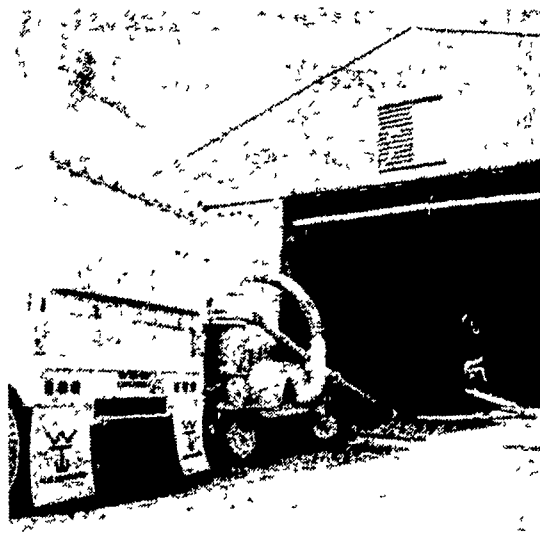
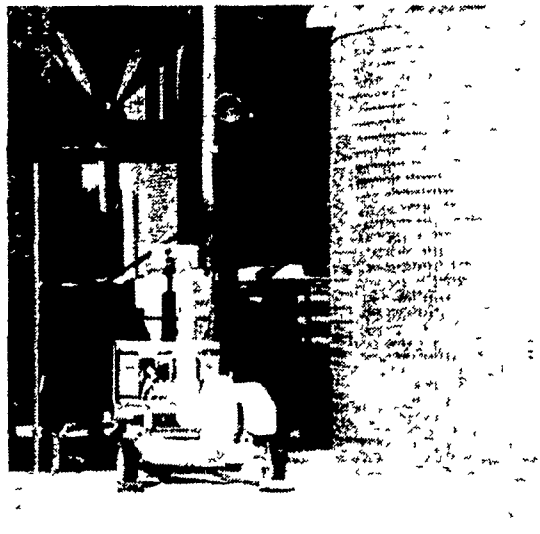
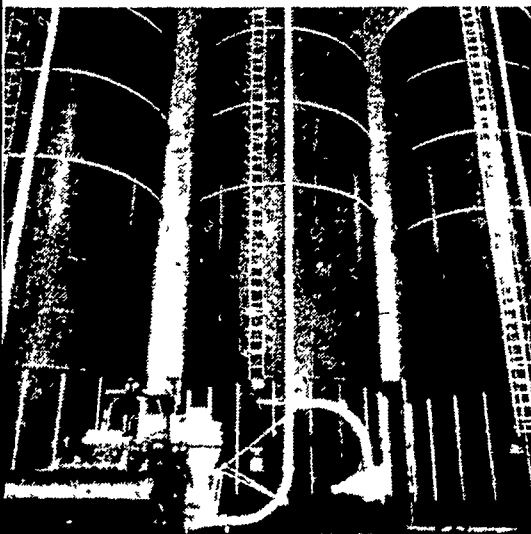
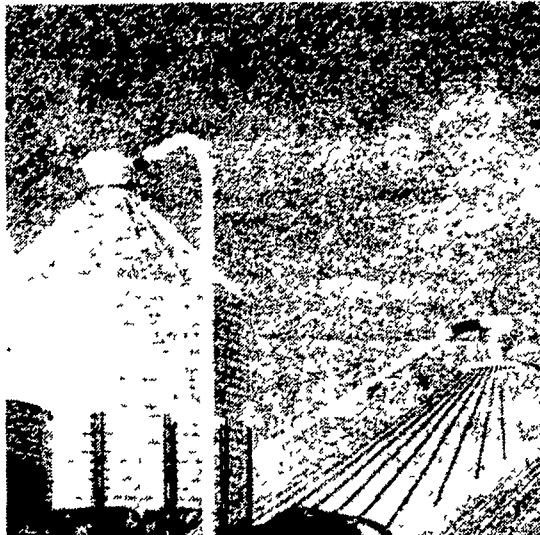
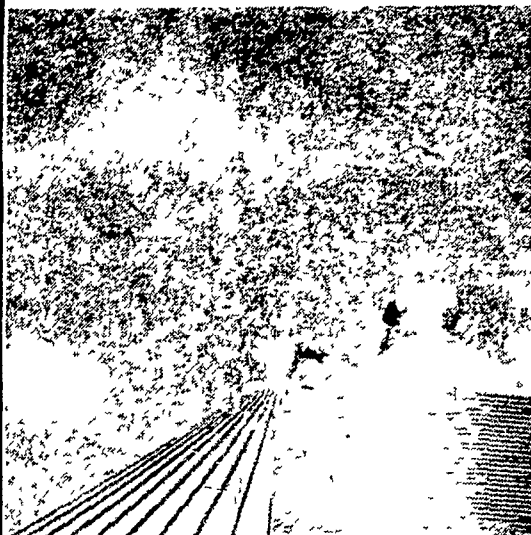
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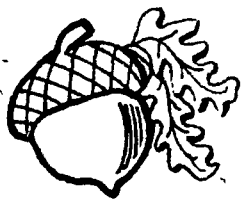
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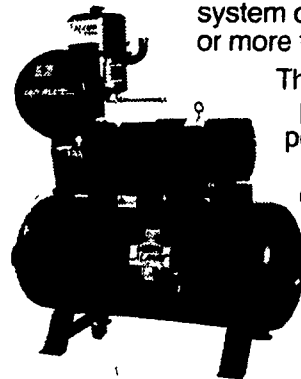
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Buyers be cautious of soil conditioner, plant growth claims

UNIVERSITY PARK — Any product marketed in the Commonwealth which is advertised to modify soil conditions or improve plant growth is subject to regulation under the Pennsylvania Fertilizer, Soil Conditioner and Plant Growth Substance Law.

Registration of a product, permitting sale, assures consumers that manufacturers make no statements as to the benefits of use which cannot be proven to the satisfaction of the registering agency, the Division of Feeds, Fertilizers and Lime of the Pennsylvania Department of Agriculture.

Chief of the Division is John Longenecker, whose responsibility is to interpret and enforce the licensing and labeling regulations. The task is both complex and difficult, and Longenecker wants consumers to understand that just because a product is registered for sale, there is no implied assurance that it will really help improve growth under all conditions.

The earlier portion of the law, which requires labeling of fertilizers, was enacted in 1955. This part of the law is relatively straightforward and its enforcement presents no unusual problems. Percentages of nitrogen, phosphate, and potash must be shown on fertilizer labels. However, additional legislation was passed in 1977 in an attempt to regulate an assortment of products from a wide variety of sources and varying widely in composition. These products, grouped as either "plant growth substances" or "soil conditioners" are more difficult to evaluate.

Plant growth substances, expected to perform as their name implies, may include among other materials seaweed extracts, microorganisms which fix nitrogen in the soil, and chemical plant growth regulators. Soil conditioners, marketed to bring about a physical or chemical change in the soil, contain peat or other plant materials to be added to the soil especially for

greenhouse use, liquid wetting agents similar (sometimes identical) to those used in dishwashing detergents and newly discovered organisms which are supposed to break down herbicide residues.

The 1977 legislation requires that these products be sold only on the basis of claims which can be supported by laboratory and field research. But, although a product's claims may be found to be valid, it still may not satisfy consumers for several reasons.

First, manufacturers' claims, in light of this legislation, become very modest, such as "adds nitrogen to your soil." The quality of nitrogen contained in the bottle might satisfy the claim, but be insufficient to do much for crops.

Second, there is the problem of interpreting research results. The regulatory agency requests manufacturers to supply research data to support the advertising claims for their products. These reports are carefully evaluated to determine if the results have been achieved under controlled, reproducible conditions. Even though the research procedures may satisfy scientific standards, the results still may not be pertinent for Pennsylvania consumers. For example, products which ameliorate problems existing elsewhere — such as the arid West — may have no effect under the wet, acid conditions found in Pennsylvania.

Third, laboratory tests performed by the regulating agency may show that the product can do what manufacturers claim, although for agricultural purposes the effect may be negligible.

Agronomists at Penn State, led by Dale Baker, spent three years investigating wetting agent-type soil conditioners for the PDA to come to this conclusion. Their study revealed that these concentrated wetting agents, when added to water in a beaker, did reduce the surface tension of the water. This is a well known property of wetting agents, or

surfactants.

They also found that when applied to soil columns in laboratory test tubes — in concentrations 10 to 1000 times higher than that recommended by manufacturers for use in the field — these products increased the depth of percolation.

Field results were less impressive, however. The wetting agents were taken to the University's research farm and applied to newly planted soybeans. They were tested for soil moisture retention (after the first irrigation following application), for germination, and for yield. Products were applied according to manufacturers' recommended rates, and at 10 times that rate. No significant difference was discernible, statistically or otherwise, either between untreated plots and those that had been treated, or between the recommended application rate and the tenfold rate.

Apparently field conditions are so varied and complex that the impact on soil conditions of the small change in water brought about by the very dilute wetting agent could not be measured on the

soils at the PSU farm.

The Pennsylvania Department of Agriculture has adopted the laboratory test for surface tension reduction as the performance test for the claim "makes water wetter." If a soil conditioner passes this test, its manufacturer is considered to be practicing truth in advertising. Passing the test does not necessarily indicate that the product will change soil drainage characteristics.

Proof of claim, which the legislation requires, is not the same as proof of value, which the consumer must determine for himself. To do this, the consumer has a number of options: he can read the label very carefully to identify the specific contents and claims, as distinguished from the imaginative text on the label; he can consult his county Extension agent to see if he has any information on the product and whether it might help solve his particular problem; and he can try a little of the product on a strip of ground adjacent to an untreated strip to see if there is a recognizable effect from the product under conditions existing on his own land.

Registered products do not bear a seal of approval by the PDA, but lists of the products registered and those rejected are available from the Department. PDA agents are continually checking stores throughout the Commonwealth; but if a retailer or private consumer has any doubt about whether a product is registered, Longenecker urges him to call the Department in Harrisburg. In this way, consumers can assist the agency in assuring that only registered products are found on the shelves of garden centers and agricultural supply stores. An alert retailer can save himself the money lost when a stop sale is issued if he checks with the Department before stocking up on an unfamiliar product.

"I think we evaluate these products pretty thoroughly," says John Longenecker, whose office also screens products for substances harmful to plants, fish, animals, or humans. Nonetheless, he feels that his agency cannot relieve consumers of their own responsibility to choose products which will be of value to them.

Angus breeders set 1981 records

ST. JOSEPH, Mo. — U.S. Angus breeders broke all past performance department records during the 1981 fiscal year which ended September 30 as they reported a combined 179,703 weaning and yearling weights to the Association compared to last year's record total of 163,769 weights, reports Richard Spader, executive vice president of the American Angus Association.

"Despite the depressed economy and the even more depressed cattle market Angus breeders continued to build for the future by increasing the breed's base of vital performance information," Spader said.

Total number of weaning weights reported in the

Association's Angus Herd Improvement Records program was 126,037 head compared with the previous record high of 114,853 in 1980. The 1981 yearling weight total was 53,666 head, also up sharply over the 48,916 head weighed as yearlings in 1980. The number of American Angus Association members actively participating in the AHIR program reached 1,863 in 1981 compared with 1,671 the previous year.

Registrations of purebred Angus cattle declined during 1981, a reflection of the declining economy, and the resulting decline in demand for beef. Total registrations for the 12-month period was 209,416 head. The number of purebred Angus sold

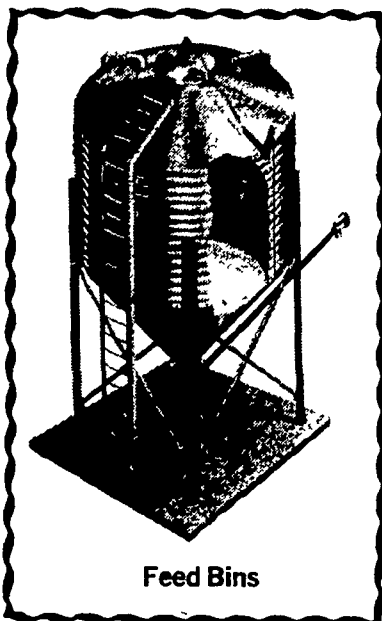
was only down slightly, however, as reflected in transfers of registered Angus from one owner to another. The 1981 transfer total was 141,403.

New Angus herds continued to be formed at a rapid pace. During the year 2,326 new regular memberships were issued along with 1,038 new junior memberships.

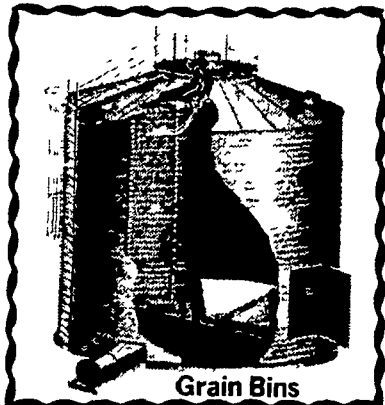
Despite the economy, the average value of registered Angus cattle sold at auction showed a slight increase. The average price paid at 567 auctions in 1981 figured \$1,461 per head compared with \$1,422 per head at 553 auctions in 1980. The average price of 24,010 cows sold at auctions was \$1,394 while 16,689 bulls went for an

(Turn to Page B44)

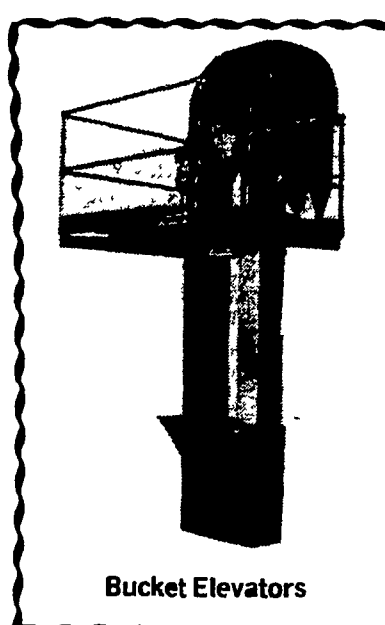
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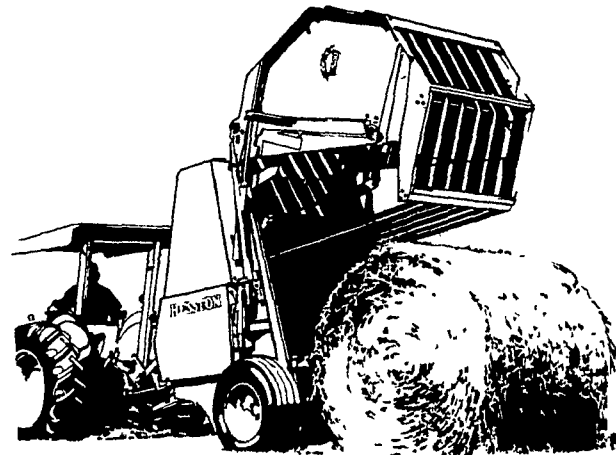
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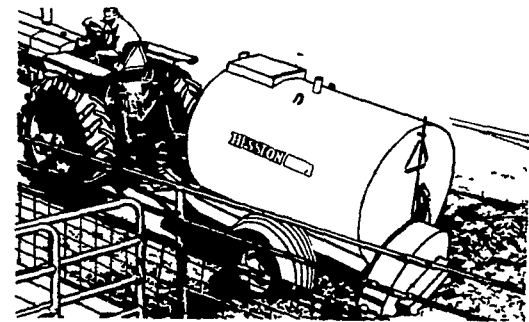


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USDA announces F.Y. 1982 county/commodity allocations

WASHINGTON, D.C. — The U.S. Department of Agriculture today released its tentative allocations, by country and commodity, under Title I and Title III of the Public Law 480 program for fiscal year 1982.

According to Deputy Under Secretary of Agriculture Thomas A. Hammer, \$665.5 million of the planned \$765.5 million in commodity assistance has been tentatively allocated Hammer said 25

countries presently are scheduled to receive approximately 3.1 million metric tons of food assistance.

The three largest allocations are scheduled for Egypt, \$275 million; Bangladesh, \$50.5 million; and Pakistan, \$50 million.

Hammer said the \$100 million not yet allocated has been set aside as a reserve to furnish commodities for any countries that

may be added to the list in order to meet emergency situations and to provide additional assistance to countries already identified.

He said the initial allocations were designed to meet the requirement of Section 111 of the P.L. 480 Act, which directs that not less than 75 percent of food aid commodities be allocated to friendly countries that meet the International Development Association poverty criterion. The announced countries in this category are those with an annual per capita gross national product of \$730 or less.

Hammer said approximately 15 percent of the value of the Title I allocation identified today was expected to be used to finance Title III Food for Development programs.

He said the tentative allocations announced today are based on the P.L. 480 revised budget amendment submitted to Congress Sept. 30 by President Reagan.

Hammer also said the program takes into account variations in commodity and budget availabilities in the United States and participating countries; changing economic and foreign policy situations, including human rights assessments; potential for market development; fluctuations in commodity prices; availability of handling, storage, and distribution facilities; and possible disincentive to local production

and other factors.

Since situations may develop which could cause a change in country and commodity allocations during the fiscal year, the initial allocations represent neither final U.S. commitments nor agreements with participating

governments. Hammer said each program will be reviewed prior to final negotiations with the recipient country.

A list of wheat and feedgrain allocations follows. Additional information is available from call Mary Chambliss 202/447-3573.

Country	\$M Total	Wheat	Feedgrains	Total Food
\$730 or Less				
Per Capital GNP				
Bangladesh	50.5	145		175
Egypt	275.0	1,500a/		1,500
El Salvador	22.4b/	120		123
Ghana	7.0	17		27
Guinea	5.0	11a/		17
Haiti	9.0	31		39
Honduras	5.0	28		28
Indonesia	17.5	99		99
Kenya	15.0	28	21	65
Liberia	10.0			23
Pakistan	50.0			95
Senegal	7.0			16.0
Somalia	14.5	21a/		42
Sri Lanka	17.6	100		100
Sudan	25.0	114a/		123
Tanzania	5.0			11
Zaire	10.0	57a/		57
Zambia	7.0	23		29
Subtotal	552.5	2,294	21	2,569 (83%)

HPI couple will share African dairying experience

PENRYN — Heifer Project International will hold a special meeting Sunday night, November 15 at 7:30 in the White Oak Church of the Brethren in Penryn located northeast of Manheim.

The featured speakers will be Tom and Barbara Needham who have spent the last two years working with dairy farmers in Cameroon, Africa. The Iowa couple, visiting the U.S. before

returning for a final year in Africa, will show slides on the Cameroon Heifer project.

Two years ago, the Needhams encountered only two farmers in Cameroon with dairy cows. Now they reported that more than 20 farmers have dairy operations. The public is invited to attend and hear the interesting story of dairying in Africa

Soil use varies with temperature

UNIVERSITY PARK — For the first time, scientists have determined the average annual temperatures for soils in certain areas of Pennsylvania and West Virginia. The results explain how soils can be used in different ways, showing the importance of average temperatures for agriculture and other purposes.

"Temperature of the soil is one of its most important characteristics because it affects almost all physical, chemical, and biological reactions in the soil," declared E.J. Ciolkosz, soil scientist at Penn State.

Ciolkosz and others surveyed soils in Pennsylvania and northern West Virginia and determined average annual soil temperatures at four forested sites of different elevations. Measurements were made over four years, from 1976 through 1979.

Results showed that at a depth of 20 inches, soil temperatures ranged from 52 degrees Fahrenheit in southern Pennsylvania to 44 degrees Fahrenheit in northern counties. Increasing the elevation by 1200 feet lowered average soil temperatures by 4 degrees F. across the state.

Soils are classified according to their annual average temperatures. Ciolkosz's study shows two classes being represented in the surveyed areas. They are: frigid, with an average annual soil temperature of 32 degrees F. to 47 degrees F.; and mesic, with an average annual soil temperature of 47

degrees F. to 59 degrees F. The Penn Staters found frigid soils were mainly in the north-central part of the state while mesic soil types dominated the rest of the state.

This information can be used a number of ways by people having problems related to soil use. For example, temperature data was needed to help design a summer cooling system for a home by cooling air circulated from the house to pipes buried four feet in the ground.

Another use of this information is the possibility of predicting frost penetration when laying water lines. Knowing how deep the frost is going to penetrate the soil might prevent freezing of water lines.

As far as what can be grown in these regions, Ciolkosz said, "In frigid soil areas, corn can generally be grown only for silage while in mesic areas, it can be produced for grain as well as silage. In addition, in frigid areas

where the soils are poor because of shallowness, high water tables, or sandiness, general agricultural production can not be maintained."

He continued, "It is not advisable to go into high elevation areas where low temperatures and marginal land can damage crops."

However, even in the coldest regions the study showed that frost didn't penetrate over 10 inches into the soil when a blanket of leaves and snow acted as insulation.

Angus breeders

(Continued from Page B42) average price of \$1,558. The 40,699 head of cattle sold at auction represent less than 30% of the total number of registered Angus sold last year.

Missouri maintained its lead in total registrations, transfers and new regular memberships during the year. Illinois was first in junior memberships, and South Dakota was first again in the number of AHIR weaning and yearling weights processed. The top 10 states in each of these categories and their totals are:

Weaning and Yearling Weights
1. South Dakota, 21,329; 2. Montana, 19,867; 3. Iowa, 16,629; 4. Nebraska, 14,865; 5. North Dakota, 8,713; 6. Missouri, 8,473; 7. Virginia, 8,345; 8. Kansas, 7,712; 9. Minnesota, 6,116; 10. Georgia, 6,004.

Registrations
1. Missouri, 17,894; 2. Montana, 14,534; 3. Iowa, 13,998; 4.

Nebraska, 13,102; 5. South Dakota, 10,346; 6. Texas, 9,573; 7. Kentucky, 9,225; 8. Virginia, 9,037; 9. Oklahoma, 8,693; and 10. Kansas, 8,656.

Transfers

1. Missouri, 14,367; 2. Iowa, 8,893; 3. Nebraska, 8,188; 4. Virginia, 7,699; 5. Montana, 7,163; 6. Texas, 6,800; 7. Kentucky, 6,469; 8. Oklahoma, 6,410; 9. Illinois, 5,926; and 10. Tennessee, 5,482.

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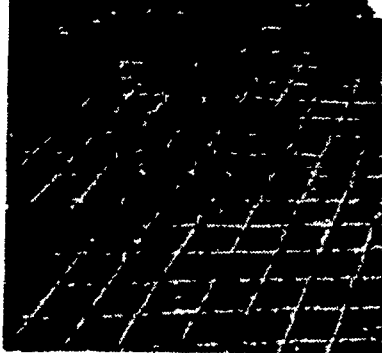
1. Missouri, 135; 2. Kentucky, 133; 3. Tie, Texas and Virginia, 111; 4. Tennessee, 101; 5. California, 94; 6. Illinois, 82; 7. Oklahoma, 74; 8. Iowa, 72; 9. Nebraska, 67; and 10. North Carolina, 64.

Junior Memberships

1. Illinois, 74; 2. Missouri, 73; 3. Texas, 65; 4. Tennessee, 60; 5. Oklahoma, 56; 6. Tie, California and Iowa, 49; 7. Kansas, 41; 8. Ohio, 39; 9. Indiana, 33; and 10. Kentucky, 31.

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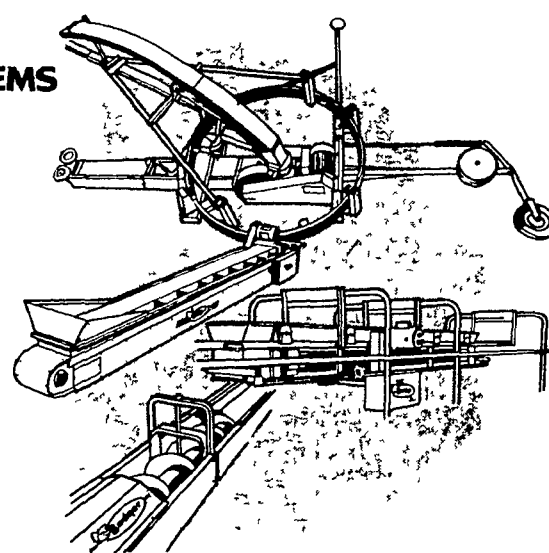
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Prosperity equals productivity

One of the surest ways to bring economic well being to an agricultural community is to increase farm productivity. That's an old idea, one that's been practiced on the Delmarva peninsula. But also one that bears

another look.

My first encounter with this philosophy was as a young county agent in Missouri when the local banker promoted an idea to get more milk per cow from each of the dairy cows in the county. Ed

Porter, appropriately enough, was president of the Farmers Bank of Bowling Green, a community of 2,500 people with a fairly strong agricultural community surrounding it and much else. And in spite of all the efforts of com-

munity leaders to attract industry, the best thing going for the town was its farming base.

So Ed launched a campaign to improve the economic well being of the area through a concentrated effort to increase milk cow production. It required a team effort between the agriculturally-oriented businesses, the lending institutions, the government agencies, and just about anyone else who had some expertise to contribute.

Certainly the effort didn't have the flashiness of a new industry. There wasn't a grand opening or a ribbon cutting or anything like that. There was just the continued effort to improve milk cow production through a concentrated program.

That was almost 25 years ago and I wish I could report that Bowling Green, Missouri is now a booming metropolis as a result of Ed Porter's original idea. In fact, it isn't. It's still a town of about 2,500 people, with a fairly strong agricultural community and not much else. But milk cow production is better for those dairymen who are still milking.

A lot of other things happened in and around Bowling Green to affect that effort, not the least being prosperity in other segments of agriculture and the relative demise of dairy farming. So maybe Ed had a bad idea, or maybe he just picked the wrong commodity to promote.

Here on the Delmarva peninsula there's no question that this concept has worked for years in the broiler industry. The Delmarva Poultry Industry Association does the kind of thing that Ed Porter was talking about. It promotes, educates, supports research, does all the things it can to see that broiler production is a strong, dynamic industry on the Delmarva peninsula. Its members—almost everyone in business on Delmarva—know the importance of the broiler industry and know the economic impact of favorable broiler prices and rail rates or the threat that's posed by a knocked out railroad bridge, a curtailed fuel supply, or anything else that hinders broiler production.

Here's another example taken from South Dakota where a community in the western part of that state is moving ahead to increase alfalfa yields. An ad in the local newspaper in Butte County pointed out that a one ton per acre increase in alfalfa yield would

provide an increase in gross income of about a million dollars a year for county farmers. So farmers, businessmen, agricultural researchers, the Cooperative Extension Service, all went to work to see that it happens—and the key is irrigation.

An idea blossomed back in 1974 to set up some demonstrations of irrigated alfalfa. They were meant to show that seven tons of alfalfa per acre was a practical and realistic goal for farmers in that area. Combining the best knowledge available, the project leaders have been testing fertilizers, varieties, irrigation and other management practices, and they're getting results. They've proven that seven tons of alfalfa per acre can be grown and now they're showing others how to do it.

Maybe it's time to borrow back an idea, an old idea, and launch a Delmarva-wide effort for irrigated crops on the Delmarva peninsula. The yield data available through the Cooperative Extension Services of the three states involved looks amazingly favorable for irrigation, even on corn and soybeans.

Year after year, while some farmers pray for rain, those with irrigation haul in bumper crops, and with today's prices and the corn and soybean acreage on Delmarva, it's not difficult to see how millions of dollars could be generated. That would be new money, money that doesn't exist now because it would be coming from crops that prior to this time have not been harvested. A farmer who traditionally grows 100 bushels of corn per acre could be harvesting 150 — maybe even 200 — with irrigation. The economic impact would be substantial.

So why not a team effort for irrigation on Delmarva? The best minds available on the subject, including agricultural researchers, Cooperative Extension personnel, other government agencies, the irrigation industry, the lending institutions—all of the people who have a stake in irrigation and improved farm and commodity incomes.

The demonstration plots are already out there—large scale, center pivot irrigation units operating now on the Delmarva peninsula. The next step would be to rally behind an area wide campaign to demonstrate feasibility and to get the job done.

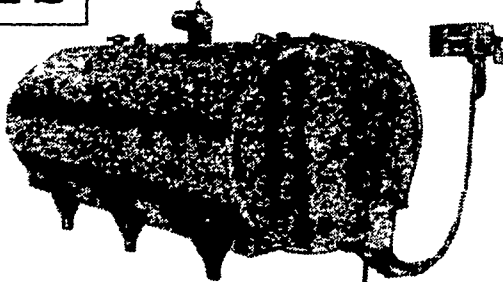
A good starting place might be the Delaware Institute Conference set for November 24 at the Sheraton Inn in Dover.

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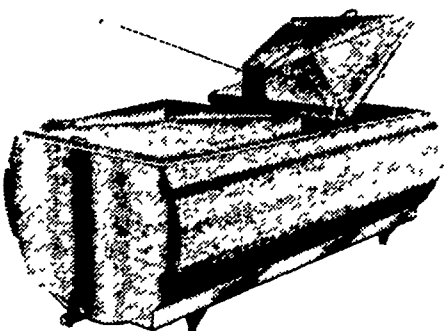
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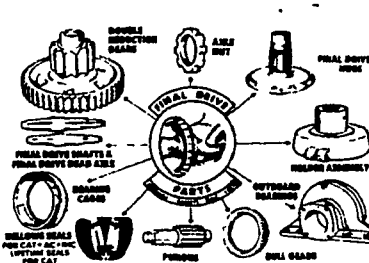


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Kudzu-Miracle vine that went astray

By Nancy J. Pierce
National Geographic
News Service

CHARLOTTE, N.C. — The house Vernon Goode bought at auction turned out to have one big drawback: The back yard was strangled by a vine known as kudzu.

It was a struggle, but Goode cleared the kudzu and was rewarded. He found a full-size swimming pool underneath.

And then there are those funny-shaped green lumps at the Hi-Way Junkyard near York, S.C. The lumps—kudzu-covered cars—have proved too much for the billy goat whose job is to keep the junk yard free of the vine.

Chained to an old tire, the goat eats a circle around himself and strains for more. "It grows faster than he eats it," owner Clyde Norman. "If I let Billy run free he'd eat himself dead."

Battles with kudzu are common in the American Southeast, where one of the first questions out of a visitor's mouth often is: "What is that green stuff crawling all over everything?"

Creeping up to a foot a day under ideal conditions, kudzu has no mercy for whatever is in its path. It suffocates trees, climbs utility poles, devours gardens, cracks roads, and covers buildings.

People attack it with hatchets, chain saws, fire, and chemicals, only to look out the next morning on hundreds of new tendrils nodding in the Dixie dew. Poet James Dickey has called kudzu a "vegetal form of cancer."

Kudzu is a perennial legume with broad leaves, small purple flowers and a thick, woody stem. In early spring tendrils shoot out from nodes along the stems; during one summer a single stem can expand 60 feet in all directions and cover the ground to a depth of 4 feet. Its growth halted by first frost, the vine picks up where it left off with the first breath of spring air.

Native to China and Japan, kudzu was introduced to and hailed as the savior of an erosion-torn South 50 years ago. "Cotton is no

longer king, kudzu is king!" became a rallying cry from community kudzu planting projects. Given away free farmers by the Soil Conservation Service, the plant's long tendrils and deep roots gripped the soil, and it restored nitrogen to barren fields.

But kudzu turned out to be too much of a good thing. Its jobs done, there was no way to make it quit.

What had been dubbed "miracle vine," "mile-a-minute vine" by enthusiastic supporters fell into disfavor by 1955. Embarrassed communities abolished kudzu clubs and planting stopped.

But it was too late. Kudzu had gripped the southern landscape deeply. Today it covers 7 million acres in 12 southeastern states—an area larger than the state of Maryland.

Mention of kudzu usually brings a grimace to the face of a southerner, a grimace often followed by a smile and a kudzu story, some of them tall tales.

Southern writer Jerry Bledsoe tells of a faithful bird dog who was swallowed up by kudzu vines as he stood on point at the edge of a kudzu patch. Naughty children are frightened by tales of its climbing into their windows and snatching them away at night.

The attitude of many who live in its path is that if you can't lick it, learn to live with it. With tongues firmly planted in their cheeks, many southerners make fun of—and with—the miracle vine that went astray.

A Kudzu Festival was revived two years ago in Union, S.C. The 85-foot-long winner of the Longest Kudzu Vine Contest was paraded down the main street behind the Kudzu King and the teen-age winner of the beauty contest—the Kudzu Queen.

Ninety-five-year-old Harry Robertson was antsy in his retirement so he grabbed the vines crawling over his Martinsville, Va., back fence, and began to weave. His kudzu baskets, umbrellas, and kudzu chair seats adorn the homes of his family and friends.

Cooking with kudzu was taught

at workshop by Dr. Carol Ann Freid, of Knoxville, Tenn., who studied at the cordon bleu school in Paris. "The tiniest leaves are a kind of a cross between Swiss chard and spinach leaves," she said. "The larger leaves are chewier. Kudzu is high in vitamin A and it's free. But people are prejudiced against it because they see it only as something they have to clean from their yards."

Although the vine is a prolific pest and a joke in the American South, in Japan it's a valued shade plant and fiber producer. The roots are made into starch and exported to America where they're sold in health food stores as expensive "kuzu."

Researchers at several southern universities have investigated its use as fodder and insulation, concluding that kudzu is more trouble than it's worth. At Vanderbilt University, chemical engineers have developed a way to ferment the root and produce liquid fuel ethanol. In a few places—such as Tennessee's Cooper Basin—it's still desirable as a ground cover.

Kudzu was planted there during the 1940s and 1950s to reclaim 32,000 acres of land denuded by a turn-of-the-century copper smelting operation. Even though kudzu took better than any other plant to the highly acidic soil, hundreds of acres remain barren today; the vestiges of the kudzu plantings are welcome.

But the Cities Service Co., which owns the Copper Basin, won't plant more kudzu. "It is a pretty decent plant for erosion control," says company forestry expert Ben Crawford, "but public opinion is against it."

Endearing though the stuff may be, many people are weary of living with kudzu and are choosing to lick it with modern chemistry. Two heavy doses of a chemical product applied in the spring and the fall will penetrate and kill the deep, thick roots.

After all, explained one Kudzu Festival organizer as he wrapped the vines around the Kudzu King for his appearance in the parade, "We do hate the stuff."

Zebu imports boost beef yields, says USDA

PLUM ISLAND, N.Y. — Zebus, a strange looking breed of Indian cattle from Brazil, are coming into this country under U.S. Department of Agriculture supervision to help boost production of beef.

Veterinarian James A. House of the USDA's Agricultural Research Service said the Zebus resist tick infestation, hot weather and certain diseases. These and other desirable traits often are passed on to their calves when the Zebus are crossed with American cattle.

In this way, private cattle breeders hope to create better domestic breeds and broaden the genetic base available for further improvements.

Zebus have been recognized as a successful breed in Brazil since the early 1900s. U.S. cattle breeders started bringing Zebus into this country about a year ago.

House is stationed at USDA's Plum Island Animal Disease Center, located off the Long Island coast. Zebu blood samples are sent there for analysis as part of the USDA effort to make sure the newcomers do not carry unwanted diseases to the U.S. Mainland.

Zebu cattle thrive in tropical and sub-tropical climates. With their darkly pigmented loose hide, thick hair and long horns, they look different from U.S. breeds. They have humped backs and a large

fold of skin underneath the neck, called a "dewlap."

Zebus were not available to U.S. breeders because of a law banning cattle imports from countries with infestations of rinderpest, foot-and-mouth disease and other diseases not occurring in the U.S., according to David E. Herrick of the Import-Export Staff of USDA's Animal and Plant Health Inspection Service.

Rinderpest causes high fever and inflammation of the digestive tract and a high death rate in cattle. Foot-and-mouth disease causes blisters and sloughing in the mouth and nose and on the feet of the cattle, sheep, goats and swine, resulting in major economic losses.

Breeding stock of the Zebu that have been brought into this country are under 11 months old and first were quarantined for 60 days on the Brazilian ranches where they were selected. After that, a battery of 17 tests were performed by Plum Island scientists to determine whether the animals had been exposed to a specific list of diseases.

Cattle passing these tests were transported to Canaiea Quarantine Station located a mile off Brazil's mainland. There, they were tested again. Those that passed were shipped to the Harry S. Truman

Animal Import Center, located on an island off Key West, Fla., where they remained under strict quarantine for more tests for about 150 days.

At this center, cattle and swine of U.S. origin—called "sentinels"—were moved in with the Zebus. The sentinels were inoculated with saliva samples from the Zebu to learn whether the Zebus were carriers of foot-and-mouth disease.

After passing the final tests, the Zebus were released to the U.S. mainland. Of the 744 animals selected in Brazil, 141 were imported into the U.S. in two shipments. The entire quarantine procedure took 8 months for each shipment.

"This importation system was based on extensive sequential testing of the animals to prevent importation of exotic animal diseases," said House. "Furthermore, this system can be modified to facilitate the importation of animals from other parts of the world."



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For Sale Farm pups 3/4 Boston Terrier and 1/4 Fox Terrier, Daniel H. Martin, Stevens R2, Lanc Co at Red Run

For Sale JD 70 diesel tractor, runs good but needs some work, new paint, \$1200 Lanc Co 717/859 2306

Wanted 15 ton or larger feed bin, Hershey 717/534 1253

For Sale WD 45 Allis Chalmers Want to buy boys and girls 24 bikes, Lanc Co 717/548 3333

For Sale Power King 14 hp tractor whyd front end loader, snow plow cultivator, plow, chains & tandem transmission, excellent con, York 717/757-3488

For Sale 930 Comfort King, Case tractor, very good, Samuel K. Stoltz, Rt. 1 Box 125, Kirkwood, Pa 17536

For Sale Ducks and Geese, corn fed also Chihuahua pups John I. Beiler, Rt. 1 Box 256, Gap, PA 17527

For Sale MF 82 self propel combine also one for parts, 301-482 8452

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For Sale Old corn \$90/ton at farm Miniature Schnauzer Stud Service, gentle, grey & white, AKC reg, 717/284 4725

For Sale JD 227 mounted picker Wanted fenders, air cleaner stack, operator & shop manual for D.C. Case, Berks Co 215-488-6455

Wanted Cows in feed with the option to buy, 215-926 4406 Berks Co

For Sale Winch Viking 8000 lb Pull universal mounting bracket, 135' 5/16 cable \$400 Wanted AC 400 loader, Carroll, Md 301/795 4281

For Sale New corn picker wheels, tire size, 750-20 8 lug also 14 foot Starline tri pot, Lanc Co 717/656 8531

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Wanted Oliver Crawford Dozer OC15 Gas, also a root rake for it-609 561 3394 New Jersey

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For Sale- top buggy in good cond., Lanc Co 215 484 4131

For Sale Int 1256 diesel, very good cond., Int #56 silage blower, Lanc silage distributor, Berks Co 215 944 7571

For Sale Super 717 single row, NH harvester, good cond., \$1350 Also NH table blower, \$250 Lanc Co 717-354 0204

For Sale Craftsman 10' table saw with stand and motor, priced reasonably, 717/626 4592 Lanc Co

For Sale Hay, orchard grass and clover, clean and dry, \$1 per bale Chester Co 215 932 4728

For Sale 3 yr old purebred Shorthorn bull, Son of G 9, Reg Heifers & steers, Balto Co 301-833 4773

For Sale 800 gallon high pressure pumps for liquid manure handling, 717/872 4565 Lanc Co

For Sale Purebred Red Angus Heifers & Bulls Monroe Co 215 381-3043

For Sale NH Spreader #517, Triple beater, 205 bushel, good cond., \$1375 Also, 1970 Ford Econoline 300 cattle truck, \$300 - Frystown, 717/933 8764

For Sale Standard bred driving mare, gentle and good sized, Stephen M. Petersheim, Narvon, R2, Lanc Co, Pa 17555

For Sale AKC Golden Retrievers, shots, wormed, 8 wks old, Champion pedigrees, 2 litters, Orwigsburg, Schuylkill Co, 717-943 2920

Wanted Used livestock scale suitable for cattle 717/925-6972 Col Co

For Sale Electric feed cart with scale Uebeler Model G M 15 excellent Condition, after 7 p.m. 215 458 5023, Chester Co

For Sale 3 portable Smdley, buildings, Carroll Co 301/756 6290

For Sale 78 Chevy pickup, auto, P.S. with topper, black 77 Chevelle Malibu auto, P.S. air cond, Berks Co 215-484 2695

For Sale- 4 horse Gooseneck trailer with dressing room, like new, Perry Co 717-582 8343

For Sale 2 horse pole, stain finish, look like new with adjustable mounting, 17 canoe, in good cond, Lanc 717/354 9243

For Sale Snowmobile, 1978 Polaris cobra 440cc, excellent cond., 412 455 2489

For Sale Plows two way for AC Model C or B Single plow for AC model G 301-239 7495, 301-374 9750 Balto Co

For Sale Holstein bulls 6 months \$725 Lanc Co 717/786 2759 or 717-786 1746

For Sale Two service age rams, one Hampshire \$85 and one Suffolk, \$80 Lanc Co 717/285 3736

For Sale 10 9 cattle body for 1 ton truck, 72' cab to axle, good condition, \$500 Balto Co 301/833 4773

Wanted Used tractor tire size 11 2 38 good cond, 717/658 3502 Snyder Co

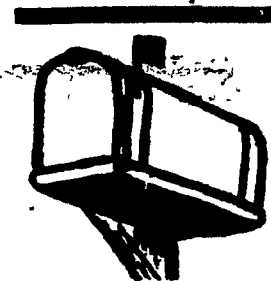
For Sale NH #66 baler with Wisconsin motor, Berks Co 215/56 6913 alter 5

For Sale 3 Surge pail milkers with straps & air pulsation & one extra bucket, \$110 complete, Snyder Co 717/374 8625

For Sale Three cows, one holstein two jersey, very gentle, excellent family cows, hand milked, health papers Delaware Co 215 485 0213

For Sale 4 foot double cultipacker \$60 Int Scout, not inspectible, no title, runs, \$125 Lanc Co 717/330 0223

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Wanted Clean 200 250 gal tank, Elam 2 Zimmerman, Box 140, Wood Corner Road, R4 Lititz, Pa 717 733 6698 or 738 4241

For Sale Small wood chunk stove, \$35. 717 768 3069 Lanc Co

For Sale JD 4020 diesel w/turbobcharger, synchro range transmission, side console, dual hydraulics, WFE York Co 717 292 3030

Wanted 2 seat or back to back seat buggy for large pony or cab. Wicker preferred. No bike tires. Franklin Co 717 263 0141 evenings

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For Sale Good used heavy lumber from 14 to 40' long Aaron Hoover, 1/2 mile south of Martindale, Pa

For Sale Two pair European Wild Boars, females bred, \$300 pair. Wanted male timber wolf. Clinton Co 717 726 3363

For Sale NH Trac manure spreader-16 disc Oliver drill, roof ventilator w/motor, Smoker Bin w/wagon tractor, snowplow, 717 345 8815

MAILBOX MARKET

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For Sale Caged layer equipment, crimper, sterling thrasher, AC blower, cultivators for AC/WD, 3 Surge milkers, 717 639 2399 Wyoming Co

For Sale JD 494A corn planter, new fertilizer hoppers and augers, excellent cond., Harford Co 301 557 8407

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For Sale 20 Reg & IE Brown Swiss cows & heifers, AI sired & bred, top sires represented, Kent Co 302-678 1085

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For Sale French Lop English Angora crossed bred rabbits \$25 per. Make nice pets for Christmas, 215 759 3337 Northampton Co

For Sale Case tractors 630, 530, 300, loaders, cultivators, plows, NH elevator, grain drill, large V snow plow, 717-345 4882

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For Sale Feeder pigs 85 cents /lb Oliver 1650 diesel \$2400 Plow 416 semi reset \$550 JD 3940 harvester Lanc Co 717 733-0575

For Sale Used electric hot water heater, \$50. Levi F Esh, Jr. Quarryville R3, Pa 17566 Box 387 Rt 896

Wanted Steel wheels for Farmall 450 tractor John J. Beiler, 41 Slaymaker Hill Rd., Kinzer, Lanc Co Pa 17535

For Sale 3 Eskimo pups, 1 male & 2 females, Isaac S. Miller, Christiana, Pa along Valley Rd., Lanc Co 17509

For Sale Steel trusses, 75' clear span, Can deliver, Schuylkill Co 301 348 2179

For Sale Fan 36" 2 speed & reverse motor, power shutters \$150. Also 1 hp refrigeration unit & blower, Montg Co 215 723 7158

For Sale 5 stall calf hutch Elam B Stoltzfus, 91 Hess Rd., Leola, Lanc Co Pa 17540

For Sale Reg Polled Hereford bull, 3 yrs old 717 356 /095 Col Co

For Sale IH 300 utility, loader, disc harrow, also two horses, and two ponies. Wanted Used chest freezer Leb Co 717 933 8073

For Sale Minnich tobacco press, good cond., best offer, Leb Co 717 949 3901

For Sale Duo therm kerosene space heater, model 575 1, fireplace screen with glass doors, hot water convectors & radiator Lanc Co 215 367 5822

For Sale Hol bred heifer \$495 NH 12 spreader, like new \$795 NH 258 rake, used 2 years \$1095 717 354 0266

For Sale Water tank, very large, good cond., single tree and double trees for horses Lanc Co 717 656 8585

Wanted S S adaptor for milk strainer for a Mojonier tank David L Stoltzfus, R1 Gap 440 17527 Pa

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For Sale Goats Black kids, 4 8 months old, a few young does, York Co 717-757 1960

For Sale Pony 11 hands very tame and easy keeper including beautiful western saddle and bridle \$150 Bucks Co 215 822 1639

For Sale Plow / or 8 bottom, Oliver model 566, very good Lanc Co 717 665-3905

For Sale Plow International 560, 6 bottom trip, very good Lanc Co 717 665 4774

For Sale Brady #608 flail chopper, JD 7 offset Kiliter disc, JD 8 KBA disc, Bush Hog rotary mower, 717 382-4426

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Wanted One half ton feed mixer State price and condition Noah J Yoder, R1 Box 259 Winfield, Pa 17889

For Sale 1 mule your choice out of two Eli B Esh, Christiana R2 Box 131, Pa Lanc Co

For Sale 1 chain hay elevator, 1 treddie grind stone, gas boy gas pump, 1 75 gal tank for hauling water, 717 374-4401

For Sale Parts for Farmall 400 diesel, everything except head 2 JD 18 corn pickers, \$995 Sullivan Co 717 924 3847

For Sale IH 1 PR corn picker, Berks Co 215 683 9540

Purebred Nubian buck for stud service Direct from Mrs Longman York Co 717 927 9235

For Sale 20 26 lb turkeys, live weight, 70 lb dressed \$120 Leb Co 717 838 4037

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For Sale AKC Labrador Retrievers, yellow \$115. Ready to go now, Call 717 567-6077 Perry Co

For Sale 1961 Scout equipped w/Wisconsin 605 hsp Bidwell snow blower. Also power angle blade. Best offer Berks Co 215 488 6642

For Sale Nice corn fodder, also Horn flail fodder chopper, \$75. Delivery available Schuylkill 717 345 4109

For Sale 2 Grove self unloading wagons both sides & rear unloading 717 292 3214 York Co

For Sale 3500 watt generator set with Briggs and Stratton engine Wm Leinbach, Denver R1 Pa 17517

For Sale White guineas, west of Wakefield on Cherry Hill Road, Lanc Co 717 548 2571

For Sale Plow, Oliver 2 bottom 14 trip, hydraulic lift, \$1950 Lanc Co 717 354 /043

For Sale Billy goat 1 1/2 wether goat, 8 mo. Muller Power Trowel 36 inch heavy duty, \$750 717 921 2810 Dauphin

For Sale 1969 Chevrolet station wagon, 9 passenger, new in spec, new tires, new brakes, \$300 215 459 1295 Delaware Co

For Sale Saw logs, 24 or more 12'x15' can be made from 12 easy access standing hybrid poplars 301 658 5521

For Sale Shropshire ram, registered, twin, proven produces twins, available now \$125 Lehigh Co 215 285 6953

For Sale Merino sheep, 2 rams and 3 ewes. For details call 717 569 0401 and ask for Nadine Steinmetz Lanc Co

Wanted to Rent Young family w/own cows and equipment looking for dairy farm to rent in the Bernville area, 717 933-8359

MAILBOX MARKET

For Sale AKC reg collie pups, sable and white shots and wormed, \$75. Mifflin Co 717 935 2364

For Sale Farmall H, new rear tires \$650 3 bottom trailer plow on rubber \$100 Schuylkill Co 717 345-8179 evenings

For Sale 2 bred Holstein due to freshen Dec 15 weight approx 1200 lbs 1981 call 671 717 456-1796 York Co

For Sale 12x60 2 BR mobile home, like new, many extras, 10x45 2 BR mobile home, new furnace, good cond., Perry Co 717-834 3674

For Sale Pony cart \$90 Pony and harness \$175 Corriedale ewes, 2 yrs old \$60 Black ewes \$60 717 274 5202 Leb Co

For Sale 10 Jamesway inverted comfort stalls, Surge Almo 30 vacuum pumps, 400 gal Wilson tank Ray Pleskovic, R3 Somerset, Pa 15501

For Rent Storage space, 15,000 bushel grain bin, with or without drying Northumberland Co 717 473 9417

For Sale Border collie puppies \$10, Purebred Simmental bull 15 months, 1970 Chevrolet station wagon for parts, 215 756 6618 Lehigh Co

For Sale Excellent equip M/F 400 crawl loader, Ford 555 backhoe ldr Int 1600 12 dump, Sch Co 717 668 2706 after 6

For Sale Int 504 diesel utility tractor w/loader and new bucket, 7 2nd calf beet cows w/calves Franklin Co 717 264-8656

Wanted 6 lug beaded type wheels that will take 750x16 tires 201 782-7543

For Sale Netherland Dwarf bunnies, easy-care pets. Also litters will be available for Christmas. Lanc Co 717 872 6320 or 717 872-2327

For Sale 7 ft snowplow \$350 Lanc Co 717 733 9040 after 5

For Sale JDX4 JD snowmobile, track almost new, good cond., \$425. Old chicken house to be torn down, Lanc Co 717-665 3896

For Sale 45 yearling Sex Sal laying hens \$90 each Lanc Co 215 445 7117

Jack Russel terrier at stud Rough coated 3 yr old male, extremely game and obedient, 717 437 2431

For Sale 2 75 gallon fuel tank with pump, almost new, \$250 Chester Co 215 593 5345

For Sale AC C2 combine cab, home reel 14 head \$2000 Long 455 tractor w/loader, \$2500 Emerson-Brantingham, 6 hp type EV engine, 215 598 7546

For Sale Two hole corn shellers, \$25 & 70 each North Lanc Co 215 267 5026

For Sale F20 on steel 1931 Chev Homemade tractor, not running, also 1 pr L78 15 Berks 215 445 6429

For Sale Range feed roosters alive or dressed to order, Joseph L Lapp, 92 Molvaine Rd., Paradise, #2 Pa 17622

For Sale Reg Bay Mare, App/QH cross, bred for April foal rides, drives, experienced rider, \$1900 delivered 50 miles, Monroe Co 717 223 8950

For Sale Lathe 13 x30" South Bend w/quick change, 384 jaw chucks, lots of tooling, single phase motor, 301 286 2747 Howard Co

For Sale Oliver 252 scalloped 20" blade, 16 disc, \$2000, VG condition Oliver #5 corn picker \$400 Columbia Co 717 799 0169

Wanted Up to 750 bu soybeans for feed, 717 933 5368 Berks Co

For Sale Team of sorrel geldings 7 and 8 years old, broke 100% Samuel K Hostetler, Reedsville, Box 45 Pa 17084

MAILBOX MARKET

For Sale Salvage aluminum sheeting covers 4 variety length colored & natural, Ashley MF 25 wood stove Berks Co 215 286 5434

For Sale 3 railroad car tanks, 8,000 to 12,000 gal Lanc Co 717-859-3118

For Sale 18' flatbed body, steel bulkhead, aluminum Diamond Plat floor, good cond., 215 374 6490 after / p.m Berks Co

For Sale Corn fed muscovy ducks live or dressed Lanc 717 393 1154

For Sale 20 bushel of cleaned & treated Red Coat seed wheat, certified last year, \$5 bu 717 566 8752 after 5 p.m

For Sale AKC Cocker Spaniel pup, female \$65 215-484 2517

For Sale 4 month old goat kids, Nubian Toggenburg cross Billy \$40 Nanny \$50 Lanc Co 717 665 5893

Wanted 12' silo unloader Jamesway preferred others considered, 215 369-1200 Montgomery Co

Wanted Pair 18 4 34 snap on duals For Sale Parts for JD 45 combine Parts for Int 91 combine, Bucks Co 215 244 3623

For Sale One row Dearborn cornpicker, new tire and husking rolls \$100 Leb Co 717 838-6026 after 5

For Sale Coon hounds, 2 Reg Walker male pups, 4 English-Walker pups, 4 months old, 717 367 3662

For Sale 3 eight month old registered polled hereford bulls excellent breeding stock Out of top bloodlines, Columbia Co 717 925-6827

For Sale JD #237 mtd corn husker w/multi lubricator \$450 Price negot 2 Holstein heifers ready to freshen, 215 562-3929 after /

For Sale AKC Cocker spaniel pups, blonde, females \$105, males \$90. Wormed, also toy barns \$50 Leb Co 717 949-3590

For Sale One horse plow, harness, & covered wagon, 5 hp steam engine, feed grinders, 24" stone burr mills Adams Co 717-259-7215

Wanted To borrow money from individual 1 or more years Daniel Z Stoltzfus, R1 Box 233, Bird in hand, Pa 717-656-7270

For Sale Reg Glen Valley Star Bull, born 9-28 80 Dam Brigadier Scored 84, 305, 21,608 M, 727F Lanc Co 215 445 6602

For Sale WD 45 Allis Chalmers Want to buy boys and girls 24" bikes Lanc Co 717 548 3333

For Sale JD 70 diesel tractor, runs good but needs some work, new paint, \$1200 Lanc Co 717 859 2306

Wanted 15 ton or larger feed bin, Hershey 717 534 1253

For Sale Boston Fox Terrier puppies, Boston markings \$20 Lanc Co 215 267 2783

For Sale SR2 Diesel with selanoid Aaron E Lapp, R1 Box 429, New Holland, Pa 17557

For Sale Both Boston and Fox Terrier pups, John M Martin, R1 Denver, Lanc Co Pa 17517

For Sale Guernsey cow \$600 8 hole round hog feeder \$200 John K Stoltzfus, Ronks Box 56, Pa 17572

For Sale Kenmore coal stove, good cond., \$375 or best offer John S Fisher, 72 Quarry Rd., Paradise, Lanc Co Pa

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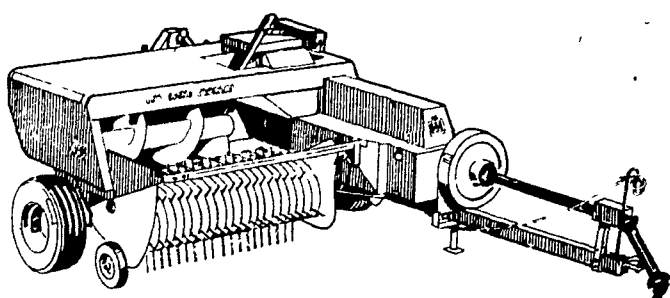
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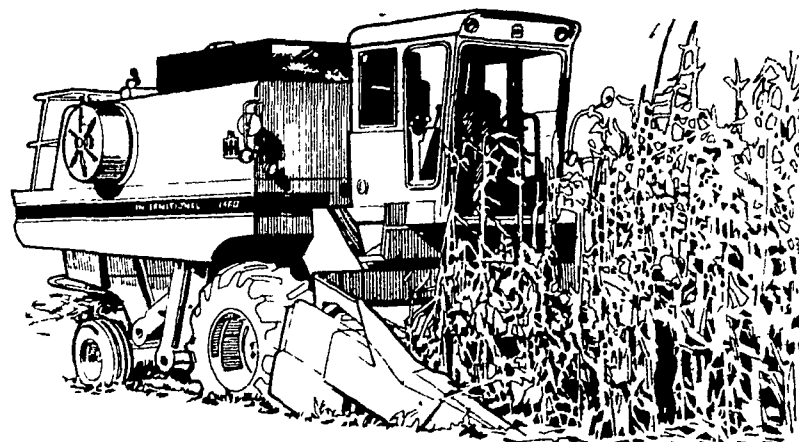
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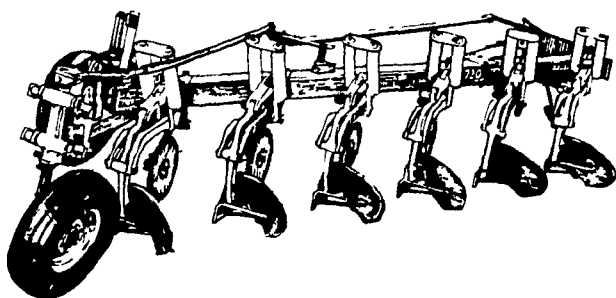


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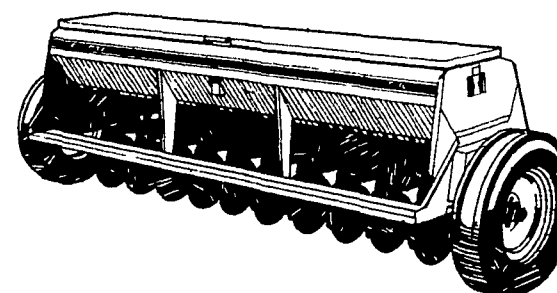
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Farm Business News

Business owners need to take advantage of new tax benefits

KANSAS CITY, Mo. — The nation's business owners, regardless of scope and size of their operations, will find it advantageous to pay close heed to some important tax breaks coming out of the new 1981 legislation, says Henry W. Block, president of H&R Block, Inc.

"In some cases, the new provisions are especially targeted toward helping the small business, which has in an unpredictable economy been especially vulnerable in the past few years," said Block. "Others should be extremely beneficial to the mid-size or very large company."

Important will be substantive changes in depreciation regulations, with the result that businesses of all sizes will enjoy simplified procedures as well as faster tax writeoffs for both plant and equipment investments.

The new provisions, widely known as "10-5-3," replaces the current complicated procedures for determining useful life of plants and equipment, and establishes four basic depreciation categories.

These new categories break down in this way: 10 years for some types of public utility property currently depreciated over 18 and 25 years, and five for all machinery and equipment, except those used in research and development, which are considered fully depreciated in three years.

In addition, the law now provides for a shorter 15-year depreciation period for real estate as well as for public-utility property written off

currently at 25 years or more.

Other tax legislation of special interest to businesses and corporations, regardless of size, include among others: a new 6 percent investment tax credit for the first year for equipment in the three-year depreciation category; a 10 percent credit for five-year equipment, improved tax advantages for building investment; a larger, valuable early-year writeoff for commercial property as well as for three- and five-year equipment and public utility equipment.

Importantly, the 1982 law changes effectively extend the allowable carryover period for reporting both investment tax credits and net operating losses. Now at seven years for most business situations, the carry-over period has been increased to fifteen years, generally making possible improved long-range tax planning over years of fluctuating profit.

Other liberalization will be in leasing, with a provision for relief on costs of acquiring equipment through leasing. This incorporates better tax breaks to the lessee, in the form of depreciation allowances and investment tax credits.

Other tax relief will be especially appreciated by the smaller business owner, such as a new first-year tax writeoff for expenditures on plant and equipment specifically meant to assist the smaller business. Initially set for a maximum of \$5,000 in 1982, this is scheduled to increase to \$10,000 within five years.

Terracing plow helps cut erosion losses

HALIFAX — The intensity of cropping systems in Dauphin and other surrounding counties has increased considerably in recent years. As more row crops are grown, land is subject to increased soil losses by water erosion.

Average soil losses in Dauphin County on farmland with continuous corn and/or soybeans is 9-14 tons/acre/year. With small grains and corn, soil losses exceed 12 tons per acre. These are compared with an average soil loss of 8 tons/acre/year on all cropland for 1977-1980.

Acceptable soil loss averages are in the ranges of 4 tons/acre/year. A loss of 8 tons means that 3 tons of soil are lost per each ton of corn produced.

These factors serve as a

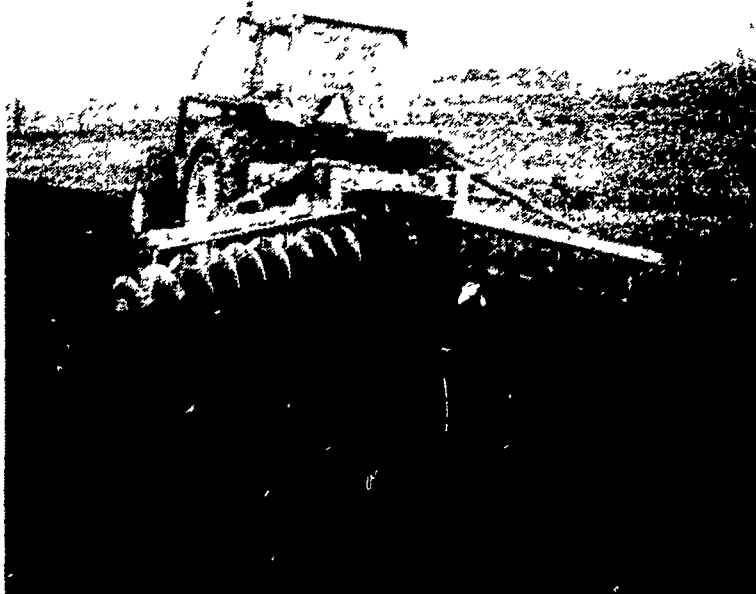
Also reduced will be corporate tax rates for lower business incomes of \$50,000 or less. Corporate income currently taxable at 17 percent up to \$25,000 would see a 15 percent rate by 1983, with the rate for \$25,000-\$50,000 dropping during the same time frame to a 18 percent rate from the current 20 percent.

Simultaneously, the new law raises by \$100,000 the amount of accumulated earnings a company is permitted to hold without tax penalty, to \$250,000.

"Corporation management and business owners, regardless of volume, assets, and income will be advised to carefully calculate how to best apply these and several other new tax benefits which will be available," said Block.

"While some of these tax breaks will not become immediately effective, now would be a good time to take a look ahead to see what the 1981 legislation will mean in particular to one's own tax situation."

H&R Block, Inc. will answer tax-filing questions, free of charge, on both individual and business returns. H&R Block offices are in more than 9,000 locations throughout the United States, Canada, and 10 countries overseas.



New terracing plow has two gangs of disc blades which lift and roll soil into a terrace ridge.

reminder that action must be taken to reduce soil losses to acceptable levels in order to maintain soil productivity. Many people feel that conservation tillage (no till and minimum tillage) is enough. However, much conservation tillage is ineffective because insufficient amounts of residue (75%) are not left on the soil surface.

One solution to meeting the current threat of losing our soil resources is the use of cropland terraces. Currently, broadbased cropland terraces are being used to a limited extent in Dauphin County. Some of these are storage terraces with subsurface outlets. Others are gradient terraces emptying into waterways.

The cost of these systems range from \$1.00 to \$1.50 per foot. Generally these terraces are not well suited to shallow soils and current economic conditions, decreasing the utilization of these practices.

AMCO has developed a terracing plow which can be used to construct gradient narrow based terraces. The plow, which mounts on a farm tractor (minimum 130 horsepower) has two gangs of disc

blades which lift and roll soil into a terrace ridge.

According to AMCO, up to 1000 feet of terrace can be constructed per hour. Even with rates considerably less than these, terraces can be constructed at a cost considerably less than the rate for broadbased terraces with the usual heavy earth-moving equipment.

The terraces constructed may be considered as a compromise between a narrowbase and broadbase terrace which can be well adapted to many of our shale soils that are moderately deep. In some instances with irregular topography, the use of a dozer to level these areas could be used to improve alignment. In addition to building terracing it appears that the plow could be used to construct diversions and grassed waterways.

Another method used to construct terraces is to use the conventional farm tractor and plow. This method would allow a farmer to utilize his own equipment for the work. Actual construction time, however, would be greater than the time used to complete a job with the terrace plow.

Moyer attends conference

FAIRFIELD BAY, Ark. — Leon Moyer, of Moyer's Chicks, Inc., Quakertown, recently returned from a 1981 Hatchery Conference hosted by DeKalb AgResearch, Inc. Oct. 22 and 23 at Fairfield Bay, Ark.

Nearly 100 DeKalb associate hatchery personnel sales and management people from throughout the United States and Canada attended the meeting at the Ozark resort.

The purpose of the conference was to provide key hatchery managers with the latest scientific techniques for brooding, vaccination, feeding and growing healthy DeKalb egg-laying chickens. Known as the DeKalb Pullet & Layer Service Program, this new approach will enable hatchery personnel to assist their commercial egg producers in raising their birds in the most comfortable and productive environment.

Bankruptcy court ok's White plan

DALLAS, Tx — White Farm Equipment Company, a wholly-owned subsidiary of TIC Investment Corp. of Dallas, Texas, announced that on Friday, October 30, 1981, the United States Bankruptcy Court for the Northern District of Ohio approved the order of confirmation of its plan of reorganization.

Stratton Georgoulis, Chairman and Chief Executive Officer, stated, "This is another milestone for White Farm Equipment Company on its road to financial recovery. We are pleased with the

continuing support we have received through the reorganization period from dealers, customers, and suppliers, and have every confidence that the Company will continue to provide the high quality of equipment and services that our customers have come to expect."

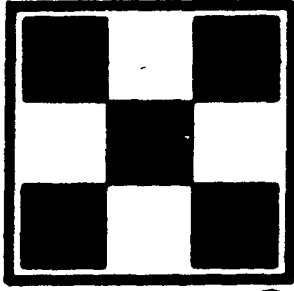
White Farm Equipment Company manufactures and distributes a full line of farm machinery and materials handling equipment throughout the United States and Canada.

Feedmobile open house



An open house for the Roll-Feedmobile 102 will be held next Saturday at 10 a.m. at Feedmobile Inc., 727 Furnace Hills Pike, one mile north of Lititz. The new model features a one-third reduction in fuel requirements, a whole bale feeder, improved feed table and

ingredients feeder. The unit also has faster hammermill operation and unloading. Another new feature is a batch weighing system with digital readout for accurately including supplements.



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Easy to Operate

Easy to use, easy to update, the keyboard allows you to customize your feeding program for each cow. Simply change rations or add cows as you wish. Information about feed intake and health is at your fingertips. Every 24 hours you automatically receive printouts of each cow's intake, or you may view up-to-the-minute information anytime, at the touch of a button.

Factory Warranty

All components come with a comprehensive six-month factory warranty. An extended warranty plan is available. Installation supervised by factory-trained personnel.

Maximum milk production, total feed control.

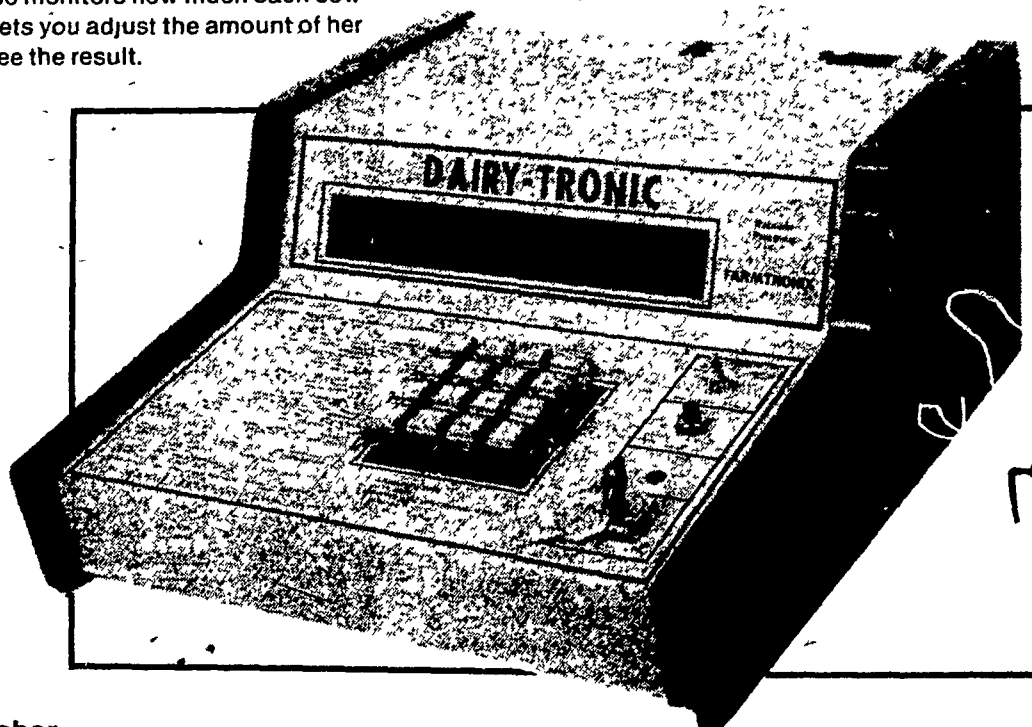
At last. An American-made automatic dairy feeding system that adjusts to the production needs of each cow. It's an affordable, easy-to-use management tool for any size herd.

Positive Identification

DAIRY-TRONIC identifies each individual cow as she puts her head in the feeder, selects the correct ration, and delivers the exact amount you want her to receive.

Boosts Milk Production

Lets you give each cow the correct amount of feed for best milking performance. The system also monitors how much each cow eats, and lets you adjust the amount of her ration to see the result.



Saves Labor

Automatically controls feeding of your entire herd, getting the right amount to the right cows. Easy to adjust, and alerts you automatically when feed hoppers or equipment malfunctions. You program the entire system from one Central Control Unit installed anywhere that's convenient.

Improves Herd Health

A cow with the correct amount of feed intake for her milk production level is a healthier cow. Maintains optimum nutrition for breeding, while preventing overconsumption of grain. The system also helps you detect sickness early, by alerting you when a cow is off her feed.

Controls Body Weight

Prevents milking the flesh off the backs of high producers, and keeps low producers from getting overfat.

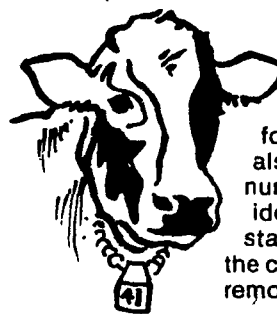
Fits Any Size Herd

FARMTRONIX offers a complete product line designed to fit many herd sizes. Included in the DAIRY-TRONIC system is multiple feed station capability delivering up to four different rations to selected cows.

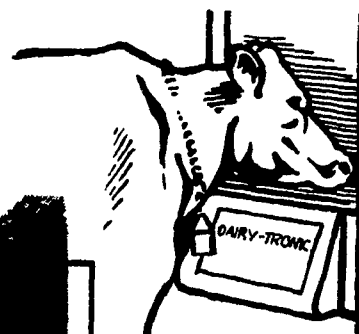
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DAIRY-TRONIC gives you the data you need to do a good job of herd upgrading. It increases milk production, extends peak milking periods and allows you to keep a healthier herd through controlled feeding. By reducing labor, feed costs and promoting better feed conversion efficiency, DAIRY-TRONIC adds up to profitability.

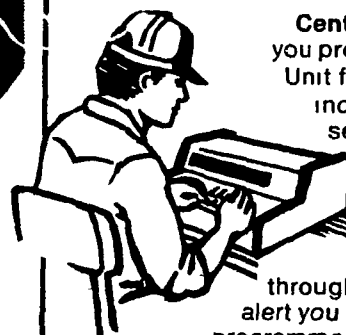
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Central Control Unit — you program the Central Control Unit for the exact amount of grain each individual cow should receive, and select any combination of up to four different feed rations that any cow can obtain. You can also instruct the unit how you want the feed to be dispensed throughout the day. The daily printout will alert you when any cow eats less than its programmed feed level. The Central Control Unit may be installed in your house for convenient access.

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Farm bill cuts may be only 'skin deep'

COLLEGE PARK, Md. — A proposed billion-dollar cut in federal aid during the next four years may have little or no ill effect on the well-being of U.S. farmers, according to Dr. Bruce L. Gardner, professor of agricultural and resource economics at the University of Maryland.

Gardner indicates this situation is not a sudden development with the advent of "Reaganomics," but is actually the continuation of a trend that started in the 1960s. Dr. Gardner was one of six morning session speakers during the annual Agricultural Leaders Forum held last Wednesday on the College Park campus.

The University of Maryland economist reminded his ag forum audience that U.S. farmers producing commodities which have never relied on government farm-program protection seem to have done as well economically as producers of highly protected commodities.

Thus, the fact that federal support for U.S. agriculture may soon drop to its lowest level since before the Great Depression of the 1930s should not be viewed with undue alarm.

The Maryland economist based his assumption on two major reasons:

Major benefits of governmental intervention have been capitalized long ago into the value of assets such as quota rights,

marketing allotments or higher prices for land on which price-supported commodities are produced.

Federal farm programs tended to acquire a heavy layer of complex regulations and requirements which blunted and confused production incentives that would have existed in a free marketplace.

As an example, Gardner declared that acreage limitations and high support prices for peanuts encouraged intensive cultivation to achieve ever higher yields. This led to production intensity which would not have been economically rational under open-market conditions.

Similarly, the federal government's disaster payment

programs have encouraged expansion of grain production into areas where normally it would not be profitable to produce grain.

In addition, some of the apparent benefits of government farm programs have not been what they seem to be. As an example, Dr. Gardner cited the wheat deficiency benefits program of 1977 and 1978.

Under that program, the government paid out more than a

billion dollars in part to reward farmers for keeping 20 percent of their wheat acreage idle. But the net gain to farmers was probably less than half of that amount due to deadweight loss.

Deadweight loss, he explained, included such things as lost revenues from the idle land and government costs of administering the program.

Eastern Limousin breeders hold fall sale

FREDERICK, Md. — A capacity crowd was on hand for the Eastern Limousin Breeders Association fall sale held at the County Fairgrounds Sale Barn, here, on November 7. Cattle from twelve members made up the 83 lots of breeding cattle and club calves that sold for a total of \$65,370 and averaged \$788.

Topping the sale was Keystone Queen Kathleen, a December 1978 fullblood daughter of Keystone Commander, with her August Diplomat heifer calf at side. She sold to Lane Limousin, Carlisle, for \$2,475 and was consigned by Keystone Limousin, Newville.

Keystone Limousin had the second highest selling lot in Premier Gitesse PFL 031G, a 1975

fullblood daughter of Essor. She had a September bull calf by Diplomat at side. The pair sold to Glenco Farms, Inwood, WV, for \$2,450.

Four fullblood pairs averaged \$2,300 and three purebred pairs averaged \$1,283.

The top selling bred purebred was a Warrell Land and Cattle Co., Charlottesville, VA entry, Hampton Jersey. She was a 1974 fullblood daughter of Fission and was bred to Duke of Carnival. The buyer, at \$1,825, was Windy Acres Farms, Bruceton Mills WF for \$1,825.

Eight bred purebreds sold for an average of \$1,354. The high selling open purebred was a Keystone Limousin entry, Keystone Queen Lille 04L. The

January 1979 fullblood daughter of Keystone Commander sold to Lane Limousin for \$1,225. Nine open purebreds averaged \$858 and eight bred 75 percent cows sold for an average of \$696. Six heifer calves averaged \$370.

Topping the bull sale was again a Keystone Limousin consignment. This big January 1979 fullblood son of Keystone Commander sold for \$1,925 to Paul Hefner, Gettysburg. Eleven breeding age bulls both purebred and percentage averaged \$945. Eight bull calves averaged \$456.

Seventeen steer calves were sold for an average of \$494. Top selling calf was an Inter-State Farms, Reedsville, WV. Consignment and

sold to Paul Fletcher, Kingwood, WV for \$1,200.

Lane Limousin was the volume buyer of the sale. Cattle sold into six states. John Moore, Newville, was the sale chairman. The auctioneer was Brice Ridgley, Mt. Airy, MD, and Cattle Brokers, Inc., North platte NE, managed the sale.



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Block sends report on food program to task force

WASHINGTON, D.C. - Secretary of Agriculture John R. Block announced today he is forwarding an internal report on waste and fraud in the U.S. Department of Agriculture's feeding programs to an Interdepartmental Task Force for evaluation.

The preliminary report on "Fraud, Waste, Error and Abuse in the Domestic Food Assistance Programs" includes an estimate that USDA loses about \$1.3 billion annually through problems in the programs.

The report is the result of a study ordered by Block earlier this year after President Reagan announced a program to combat fraud and waste in the federal government.

"This waste and fraud is not only a drain on the U.S. Treasury, but it also deprives the truly needy citizens of this nation," Block said. "We can not and we will not allow this to continue."

USDA's investigation in the food assistance program is part of an overall effort to combat waste and fraud in government, Block said.

In September, Attorney General William French Smith created a special task force in an attempt to intensify such investigation. That task force includes USDA, the Justice Department, the Federal Bureau of Investigation, the Secret Service and other government agencies.

HARRISBURG — Hunters will have a one-day opportunity to take a black bear in 32 Pennsylvania counties on Monday, November 23.

Counties in which bear hunting will be permitted are Armstrong, Blair, Bradford, Cambria, Cameron, Carbon, Centre, Clarion, Clearfield, Clinton, Columbia, Elk, Forest, Huntingdon, Jefferson, Lackawanna, Luzerne, Lycoming, McKean, Mifflin, Monroe, Pike, Potter, Snyder, Sullivan, Susquehanna, Tioga, Union, Venango,

Warren, Wayne and Wyoming.

During last year's one-day bear season, hunters took 921 bruins, an all-time record for a single day and the second largest harvest on record for any year.

Pennsylvania has a good-sized bear population, and district game protectors in eleven counties open to bear hunting rate prospects for this year as "excellent."

Many variables, such as weather, the economy, hunting pressure, bear concentrations, denning activity and food

availability, are involved in the size of the harvest.

This year, for the first time, a hunter must have a special bear license, in addition to the regular hunting license. The Game Commission issued 72,785 bear licenses for 1981. Those holding bear licenses may hunt in any of the 32 counties open for bear hunting.

In recent years there have been an estimated 200,000 bear hunters, but with less than half that many this year, the size of the harvest should drop. However, game managers feel the

population could withstand a harvest of 1,000 animals without detriment to the resource.

Hunters are reminded they must wear at least 100 square inches of fluorescent orange on the head, or on the chest and back combined. A cap contains 100 square inches, but all bear hunters are urged to wear both a cap and vest (coat) of fluorescent orange.

No hunting accidents were recorded during the last two bear seasons, and it is hoped this fine record will continue this year.

Hunters must maintain a roster when five or more persons hunt bear together or in any manner cooperate with others, whether they have "individual" or "group" licenses. Hunting together or cooperating with others means actual participation, such as in driving. Simply staying together at a camp does not require a roster.

Those with "group" bear licenses must hunt together as a group. Individual hunters, or other parties of hunters, may not hunt with them. The "group" leader must carry both a roster and a register.

A hunter may legally take only one bear per year in Pennsylvania, and hunting parties of two or more persons are restricted to one bear per party. Shooting a bear in a den is unlawful.

Each person who kills a bear must, immediately after removing the entrails, but in any event within one hour, and before transporting or moving the carcass in any manner from where it was killed, remove the temporary bear tag from the license back tag, fill in all required information on the temporary tag, and attach the tag to the head (ear) of the bear.

Before any bear lawfully taken may be possessed for more than 24 hours, it must be tagged by a Game Commission officer at an established bear check station. The tag shall remain permanently attached to the head, or until the head has been tanned or mounted.

Pa. one-day bear season is Nov. 23

Lancaster Farming, Saturday, November 14, 1981—C5

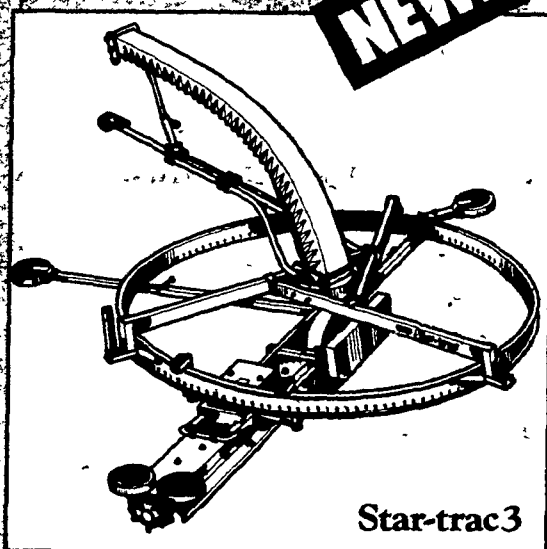
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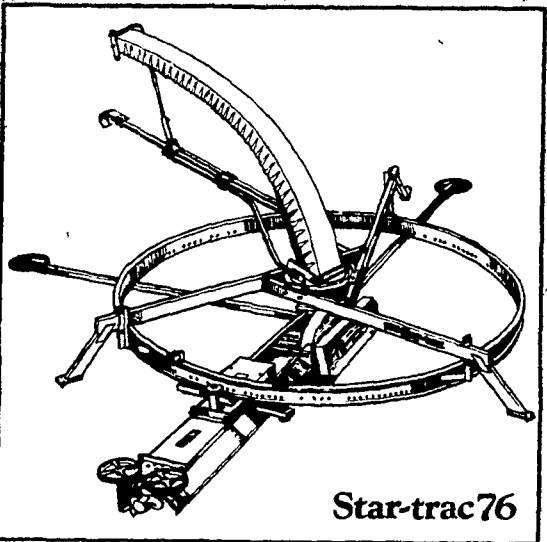
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If you want more proof, your Starline dealer has it. All he wants is a chance to compare his Star-tracs with anything else you might be considering. Contact your Starline dealer soon. For his name and address, call the Starline branch office nearest you.

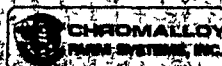


Star-trac 3



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Conservation group outlines plan to help solve acid rain problem

WASHINGTON, D.C. — The National Wildlife Federation, on behalf of the National Clean Air Coalition, has proposed a four-point plan to reduce sulfur dioxide emissions in 31 eastern states in order to begin solving the nation's growing acid rain problem.

The plan was outlined by Jay D. Hair, executive vice president of the NWF, at a House Energy and Commerce Committee hearing on acid rain. The NWF is a member of the National Clean Air Coalition, whose members include conservation, health, labor and consumer groups interested in educating the public about the dangers of air pollution.

The Coalition plan recommends that Congress mandate a ten million ton per year reduction in sulfur dioxide emissions in 31 eastern states by 1990. Hair noted that sulfur dioxide emissions should be dealt with first because they are responsible for "up to 80 percent of the acid precipitation in the northeast."

When sulfur dioxide emissions, mainly generated by coal-burning power plants, combine with rain or snow they form an acid which is often blown hundreds of miles from its actual source before it falls to earth. Acid rain has killed the fish in more than 90 lakes in the Adirondack Mountains, and a recent NWF report revealed that 15 eastern states are "extremely vulnerable" to the harmful effects of acid rain.

Under the plan Hair outlined,

Congress would set a formula which would allow utilities in the 31 eastern states to apportion fairly among themselves the burden of a ten million ton sulfur dioxide reduction. Each sulfur dioxide generator subject to the reduction requirements would be given up to two years to submit a reduction proposal to the U.S. En-

vironmental Protection Agency.

Utilities, which account for about three-quarters of all sulfur dioxide emissions in the eastern U.S., would be allowed to "trade" emission reduction obligations among themselves and non-utility plants. Although EPA would have final approval of the utilities' reduction plans, the states would

have an active role in enforcing the plans.

Hair expressed strong support for an acid rain bill—S. 1706—recently introduced by Sen. George Mitchell (D-Maine), and for similar legislation to be introduced by Rep. Toby Moffett (D-Conn.). In calling for effective acid rain control legislation, Hair said,

the NWF, the nation's largest conservation organization, is "in the company of the bipartisan National Commission on Air Quality, the prestigious National Academy of Sciences, and the 86 percent of the American people—whom we all represent—who have indicated their support for a strong Clean Air Act."

Environmental concerns still challenge farmers, says Md. director

COLLEGE PARK, Md. — U.S. agriculture and American society in general need to join forces to preserve farmland and protect the environment for future generations, says Craig S. Oliver, director of the Cooperative Extension Service at the University of Maryland.

Oliver spoke during the annual statewide Agricultural Leaders Forum held last Wednesday on the College Park campus. This year's forum topic was "Challenges for Tomorrow's Agriculture."

One of the most dramatic challenges facing Maryland agriculture in the 1980s, he observed, will be the increasing competition for land at the rural-urban fringe.

"As our metropolitan centers of Washington, D.C., and Baltimore

expand, they take up land that was devoted to agriculture for hundreds of years. In some instances, farmland is converted to housing and shopping centers because it is less expensive than existing urban land.

"Urban development moves out into the rural area because of the charm of the rural setting. But as additional housing is built, the vicinity is transformed from a rural to an urban setting. Certain activities associated with farming, such as odors and flies, then result in zoning and other problems for farmers who live in this rural-urban fringe."

Conversely, a problem which society often imposes on agriculture is the disposal of urban wastes, Oliver pointed out. The safe utilization of sewage sludge

and other urban wastes by farmers can play a major role in solving that problem.

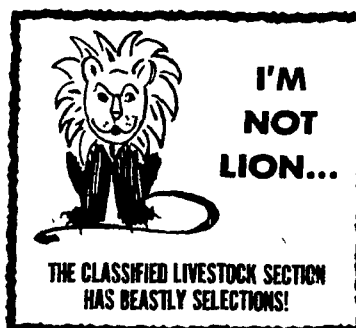
Shrinking ground-water reserves in the United States also constitute a problem which both farmers and society must face squarely during the next decade, the Maryland Extension director declared. He cited restrictive laws already passed in Arizona on this account which would virtually wipe out the state's farming industry by the year 2005.

In conclusion, Oliver emphasized his belief that American agriculture is resilient, strong and able to prosper in the future.

"But that property will depend upon effective, concerted efforts to overcome obstacles. It means that agribusiness leaders and land-grant institutions like the

University of Maryland must work together.

"We intend to develop our programs in teaching, research and Extension to respond to the challenges that we foresee."



INTER-STATE'S 64th ANNUAL DELEGATE MEETING



November 19 and 20, 1981

HOST FARM RESORT

Lincoln Highway East, Lancaster, Pa.

Thursday, November 19

9:45 A.M.

Opening Session & President's Report

1:30 P.M.

General Manager Report

6:00 PM

Banquet And Keynote Address By
Richard Lyng, Dep. Sec. USDA

Friday, November 20

7:15 AM

Young Cooperator Breakfast
Speaker: Dieter Krieg, Pa. Dairy
Farmshine

9:00 AM

Delegate Resolution Session

9:00 AM

Women's Session Featuring Susan Fridy,
Nat. Milk Producers Federation

ALL MEMBERS ARE URGED TO ATTEND!

Six-state no-till conference coming Jan. 7

COLLEGE PARK, Md. — Crop rotation, weed control and soil conservation will be major topics for the 1982 Mid-Atlantic No-Till

Conference. The eighth annual farmer educational event is scheduled Jan. 7 in the Exhibition Hall on the Maryland State

Fairground at Timonium.

Keynote speaker will be Lyle Bauer of Harper, Kans., president

of the National Association of Conservation Districts and a wheat farmer in south central Kansas. His topic will be "Conserving Our Most Valuable Resource."

Other speakers and topics will include:

"Year-round Approach to Weed Control" - Willis L. McClellan, Extension agronomist at Penn State;

"Value of Rotation in a No-Till Cropping System" - James R. Miller, agronomy department chairman at the University of Maryland;

"Kinds of Nitrogen and Methods of Application" - five-man panel

A Maryland Extension agricultural agent and three agronomy specialists from Ohio State, Penn State and the University of Maryland will participate in an afternoon panel session on "The Other Planter in the No-Till Cropping System." This presentation will emphasize drill-planting of small grain, forages and soybeans.

Panel moderator will be Robert D. Raver, an Extension agricultural agent in Montgomery County, Md. Other participants will be Donald K. Myers, an Ex-

tension agronomist at Ohio State University; Lynn D. Hoffman, agronomy research farm manager at Penn State, and F. Ronald Mulford, manager for the University of Maryland's Poplar Hill agronomy - horticulture research farm near Quantico (Wicomico county).

Tickets for a noon lunch during the meeting just be purchased in advance. They will be available after Nov. 18 from county Extension offices in Delaware, Maryland, New Jersey, Pennsylvania, Virginia and West Virginia.

More than 1,200 farmers and agribusinessmen from the six-state area are expected to attend, according to V Allan Bandel, planning committee chairman. Bandel is Extension soils specialist and professor of agronomy at the University of Maryland in College Park.

Program chairman is Donald J. Overdorff of Carlisle, a Penn State Extension agricultural agent in Cumberland County. Ticket chairman is David L. Conrad, Prince Georges County Extension agricultural agent at Upper Marlboro, Md.

Be informed about warranties

LANCASTER — Have you ever had a product malfunction and you didn't know what type of warranty you had or even worse, where the warranty was? Extension family living agent Pat Wilson says you can prevent this situation from occurring again by being informed about warranties and by keeping them in a safe place.

"Warranty" and "guarantee" mean the same—a promise about the product by the manufacturer or seller. The warranty tells you what the manufacturer or seller will do if the product does not live up to its claims during a certain time period.

There are three kinds of warranties: the full warranty, the limited warranty, and the implied warranty.

A full or limited warranty must be in writing. The salesperson's promises about written warranties will not count when it comes time for repairs. A full warranty means that:

- the warranty is good for anyone who owns the product;
- faulty products or parts will be mended or replaced free;
- if the product cannot be mended, you have the choice of getting your money back or having the item replaced.

Before you buy, find out what parts are covered by the warranty. Look for full warranties to give you the best protection.

A limited warranty means that the warranty may:

- cover only the first owner;
- cover only the cost of parts, not labor for repairs;
- make you pay for sending the product to the repair center;
- allow a pro rata refund. This means you get back only a part of the price you paid for the product.

The longer you have had the product, the smaller your refund. Limited warranties mean you have only partial protection.

A product can have more than one written warranty. There may be a full warranty on one part of the product and a limited warranty on another. For example, the cord of a toaster may have a full warranty while the rest of the toaster may have a limited warranty. So if the heating element were to fail, it would be covered by the promises of the limited warranty.

An implied warranty is not usually in writing, but it still applies to every product you buy, no matter what the price. Under a implied warranty, if the product does not do the job it is made to do, you have the right to get your money back.

The most common implied warranty promises that the product is fit for its usual uses. For example, a folding chair has to fold and a washing machine has to wash.

If a seller advises you which product to buy for a certain purpose, then you have an implied

warranty that the product will be suitable for that purpose. For example, if you ask the seller which vacuum cleaner model will pick up dog hair, then the cleaner he or she advises you to buy must do that.

If you get a written warranty of any kind (full or limited), you have the implied warranty as well.

However, when there is no written warranty, a manufacturer or seller can state in writing that he gives no product warranty. This means the product is sold "as is," which is frequently the case with used items. The seller will not guarantee that the product will do the job it was meant to do. Remember, if the product does not work or needs repair, you cannot get your money back.

If an item you buy has a warranty, the manufacturer or seller must carry out his terms,

but you as a consumer have responsibilities, too.

As a consumer, you should:

—Read and compare warranties before buying.

—Try out a product as soon as you buy it. If you delay, the warranty time period may run out.

—Keep the sales slip and warranty cards in a safe place.

—Mail any cards or other information asked for by the manufacturer or seller.

—Use the product only for its intended purpose.

—Read and follow instructions for use and care of the product.

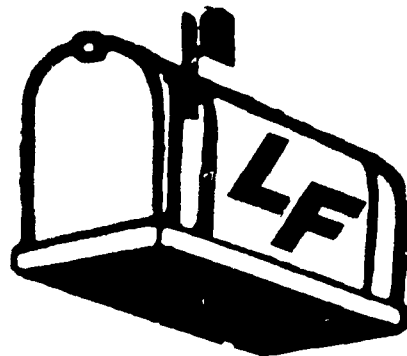
—Read the warranty and follow the outlined procedure for reporting a problem with the product.

—Report violations of the law to the Federal Trade Commission

Remember, warranties can work for you if you are informed.

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Trojan Model 114 4 WD loader with enclosed cab, 1 1/2 yd side dump bucket with 282 CID 6 cyl. International diesel engine Needs work, \$1500 or best offer Call evenings 201-359-5934 Somerset County NJ

For Sale - Farmall H, SH, M, 450, 460, 706 cab, 856 cab, 1066 cab, cules 154, 185, ACC with side mount mower, ACD 17, JDA Oliver 1755 814-652-2809 814 652 6540

EW Ross Little Giant cutter No 111 belt driven \$90, two wheel trailer for small farm tractor \$125 Heavy two wheel trailer needs wood on floor \$70, IH utility tractor 3 point pto power steering with 2000 IH loader \$3500 York Co 717-757-2960

John Deere Letz stationary belt driven plate mill grinder #80 w/6 sacker attachment \$150, Hench dromgold #20 York Pa 2 hole corn sheller \$75, David Bradley plow attachment for walking garden tractor \$25, IH 2 row riding corn planter \$150 York Co 717 757-2960.

Allis Chalmers 185 diesel tractor, wide front, cab, good cond., low hours Call 717-922-4274

FARM-EQUIPMENT

John Deere 200 Hay Stackers, good condition, \$1,500. -304 876-2043 after 7 P.M.

5 lug steel wheels for Huskee wagon gears like new. \$125. 717-637-7566

Combine - AC - M2 corn-soybean special. Practically new Combined 20 acres Asking \$43,500 Free financing available 412-837-8310 days. 423-2791 evenings

AC tractor model G, hydrostatic w/cultivator plow and snowplow and other attachments, very good condition 215 539-9076

JD 2020 gas, \$4450 Antietam Ford Tractor 301-791-1200

John Deere 2500 7 or 8 bottom plow Hydraulic reset, 18" bottom on land hitch Very good condition 617-372-4305

Swartz 860 mixer feed wagon w/weight scales, \$6,000 717-532 9271 between 9 A.M. and 9 P.M.

For Sale - New Idea 315 sheller Fits mounted picker \$600 315-626-2579

For Sale - JD 2840, exc condition, \$13,500, #308 5 bottom 16" spring reset plow, \$2950 717-353-2833

Wanted - HD6G crawler loader for parts Call 301-769-3845

Holland Transplanter used on 80 acres with 2 90 gallon water tanks. Excellent condition \$750. 717-682-9712

COMBINES

NH TR-75

Pay New Holland what we owe and it's yours.

NH 985 4R Narrow Gleaner E 2 row John Deere 45 Massey 82

GRINDER MIXERS

NH 350

NH 352

JD 400

SHEETS BROS.

New Holland,

White

1061 Carlisle St.

Hanover, Penna.

717-632-3660

FARM EQUIPMENT

Ford 961 Tractor with 2 row mounted corn picker Will sell separate \$3,000 or best offer 301-452-5287.

3 chuckwagons 2 JD 716, tandem axle 1 NH wagon, tandem axle 1 Stoltzfus fert spreader, tandem axle Call between 8 and 9 30 P.M. 215-347-2309

Ferguson transmission and final drive for T.O. 20 or T.O. 30 w/both rear housings 301-724-5926



JD 3020 Tractor, Late Model, Nice Shape Case 1070 Tractor, Power Shift, Nice shape

1977 NI 709 Uni System, 1100 actual hours, air, heater, cab. Traded for larger unit.

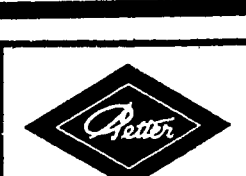
Plus NI cut/ditchers & mow/ditchers, tractors in stock at Good Prices.

C. & P. FULTZ EQUIPMENT

RD 1 Spring Mills, PA

(814) 422-8807,

Ask for Paul



Let Us Know Your Service Problems

HOOVER

DIESEL SERVICE

PH 717-656-6133

2998 West Newport Rd

Ronks, PA 17572

FARM EQUIPMENT

For Sale - Ag-gator 1004 liquid applicator 4WD Row-crop, 1000 Gal tank, 50' booms Dodge Diesel Truck w/John Blue fertilizer and wet lime sprayer 717-788-2865

For Sale - Pull type Ni rotary stalk shredder, Model 450, 5' cut, A-1 condition Northumberland County 717-425 2638

SWINGER LOADERS

Model 110, used 350 hours, \$7800.

Demonstrator model 110 \$10,500, if new would sell for \$15,800.

Demonstrator model 210 \$17,400, if new would sell for \$22,900.

USED DITCH

WITCH TRENCHERS J20, 18HP, 4WD, 6"x36" trench, \$3250.

H12, 4"x36" trench, 2WD, \$1990.

M422, 4"x36" trench, 1250.

C4 4"x24" trench, \$450.

See us for new Midmark trenchers.

Ewalt Sales
E. Lincoln Highway
Coatesville, PA
215-383-1200

NEW EQUIPMENT

NH model 892 forage

harvester w/

metal detector

NH model 800

manure spreader

Hesston model 6550

Field Queen

Hesston model 4600

baler w/thrower

AC 4 row no till

special air planter

USED EQUIPMENT

NI model 325 super

picker w/model 9

super sheller

Hesston Stakhand 10

NH model 790

spreader

Int model 275

spreader w/new

T-bar chain

NH model 1469 hay-

bine w/cab

JD model 45 combine

HUTTON FARM

EQUIPMENT

RD 2

Mahaffey, PA 15757

814-277-5504



New NH TR85 Combine, fully equipped 13' Grain Table \$58,000

NEW CASE 2290 TRACTOR Fully Equipped \$30,000

USED EQUIPMENT

AC WD45 Tractor

w/mtd. NI

picker, real

good cond.

JD #16A Flail

Chopper

NH #8 Forage

Wagon

Used Lawn &

Garden Tractors

Paul Shover's Inc.

35 E. Willow Street

Carlisle, PA

717-243-2886

FARM EQUIPMENT

Backhoe - 1976 IH 3514 70HP hydrostatic diesel, 1968 Chevy dump truck 26,000 GVW, 12 ton trailer 717-532-9322 717 532 5537

USED EQUIPMENT

1 - JD 3300 Combine

1 - AC KKS Combine

1 - AC 7060 Tractor

1 - AC 190XT Tractor

1 - JD 4230 Tractor

1 - IHC 450 Tractor

1 - IHC 460 Tractor

1 - AC D17 Tractor

1 - IHC H Tractor

1 - David Brown 880

Tractor w/loader

1 - Ford 4000 Tractor

1 - AC 160 Tractor w/

loader

1 - Kubota L-175

Tractor w/loader

and mower

1 - IH 3200 Skid

Loader

Free finance on

above equipment

till 1982

UNIONTOWN

FARM EQUIPMENT

412-437-9851

Reconditioned

Equipment

FOR SALE

JD KBA 20 and 24 Blade

Discs

JD 9' and 12' Spring

Harrows

Oliver 12" and 14" Plows

New Idea 751 and 752

Crimpers

Mc 1 row Cultivators

Garden Shovel Harrows

J.D. 999 Corn Planters

with or without plate-

less units

Ground Drive Fertilizer

Spreader

Plateless Units Mounted

on Any Kind of

Corn Planters

New bale boxes tobacco

presses

General Welding Repairs

SAM K. ZOOK

Box 89 along Coopers Dr

Kirkwood, Pa 17536



USED EQUIPMENT

JD 494A Planter

JD 694A Planter

JD 7700 combine

JD 4400 Combine

JD 105 Combine

JD 727 rotary mower

JD 244 Cornhead

JD 1250 corn planter

JD 214WS Baler

NH 273 baler

JD 485 mower con-

ditioner

NH 469 Haybine 9'

JD FB Drill

JD 3800 Chopper

JD 47 loader

Oliver 5x16 Plow

Case - Field Cultivator

IHC 470-17' disc

SPECIAL PRICES ON

NEW EQUIPMENT

Grimm Tedders in

Stock

H & H Bale Bodies

SPECIAL INVENTORY

SALE ON

NEW EQUIPMENT

1- JD 111 - 12 Ft. 10 In.

Disc - \$2895.00

1- JD 1630 - 11 Ft.

Plowing Disk -

\$4,540.00

1- JD 2600 PLOW 5-16" -

\$4685.00

1- JD 2450 - 7-16" PLOW

- \$4,815.00

No Trade-Ins Accepted.

J.S. COVERT & SONS

Neshanic Station, NJ

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Just 3 miles off Rt. 202

(Between Flemington &

Somerville)

FARM EQUIPMENT

For Sale - MF #43 cor-nhead, real nice Hesston 10w stackmover with heavy cylinder Call 215-926-3243 after 7 PM

For Sale - AC D17 w/wide front Farmall 450 w/fast hitch Farmall 400 Farmall 300 MF #3 baler w/engine NH #268 PTO baler. MF 33 grain drill, like new 215 562 4464

New head for Farmall M or Super M, \$300 or offer 301 875-2478

For Sale - MF 410 diesel, hydro, 13' quick tach table, cab, air Monmouth County 609 259 7492

1978 Case 350 dozer Power blade. Phone 717-689-9617 after 6 P M



USED

EQUIPMENT

MF 510 Diesel Combine

w/MF 44 Cornhead

Farmall Super C

MF 1105 Tractor

Riding Mowers

JD TO 100 Disc

Grain Drills

Woods M80 Mower

Sun-Master B90 Mower

Oliver 3241 Plow

MF 74 Plow

JD "A" 0045 Plow

NI 214 Spreader

NEW

EQUIPMENT

MF 184-4 Tractor

MF 4880 Tractor

USED EQUIPMENT

Tractors w/mtd pickers JD Farmall and Ford, pul. pickers, 1 & 2 row NI, mtd 2 row pickers, IH, Ford JD & NI, Harvesters, Gehl w/3 heads, AC w/2 row corn and pick head, NH w/corn head and 3 pt mtd harvester, 2 row potato diggers, Blurr mills for high moisture grain cutloaders, rotovators, chisel plows, disc harrows, grain drills, plows, Brillion packer seeders, gravity bin wagons, forage wagons, elevators, wheel rakes, balers and spreaders. Lots of tractors to choose from. Lots more equipment not listed.

KEENER EQUIPMENT INC.
Intersection of
Rts 72 & 283
Lancaster, Pa 17601
Phone: 717-569-9861

SALE
AVCO NEW IDEA

FOR SALE
Leyland Model 384 tractor, 72 PTO HP, rebuilt engine, 300 hours on tires, good cond. \$3950
(2) 20.8x38 8 ply Pierli radial tires. New \$990 each.
Brillion 11' packer exc. cond., \$890
Badger model 205-205 bu spreader w/2nd beater, in new cond. \$2785
NI 214-217 spreader w/hyd. gate, Graetz chain, 9 mo. old, exc. condition, \$3085
NI mod. 200 PTO spreader, nice cond. \$765
Taylorway 7 spring shank 32" high clearance, chisel plow, with twisted shovels, good cond., \$985
Taylorway 6'4" heavy duty offset disc harrow, 24" blades, new condition \$1600
Danuser model BMBH front mounted post driver, exc. cond. \$925

HEISEY FARM EQUIPMENT, INC.
RD 1 Jonestown, PA
717-865-4526

MF

SPEERY NEW HOLLAND

Moridge Grain Dryer
275 Bushel
-Call for price

USED EQUIPMENT

Case 5-16 Auto. reset semi-mounted plow
MF 74 Plow 3-14
MF 74 Plow 4-14
Pittsburgh Disk, 8' pull type
JD Hoe Drill
Ontario Disc Drill
IHC 10' Disc
IH 13 Disc Drill
MF 8' Rear Blade
Starline Tank Spreader
NH 518 Manure Spreader
Gehl 2600 Skid Loader, 400 hrs.
IH 550 Forage Harvester w/2 Heads
Large selection of used balers and haybines

COMBINES
MF 300 Combine w/Cab, Q A, 2-row corn & 10' grain table
JD #45 Combine w/2 heads

MARLIN SCHREFFLER
Pitman, PA
717-648-1120

FARM EQUIPMENT**FARM EQUIPMENT SPECIALS**

NH 1495 SP Haybine 12' \$11,500
NH L-775 60 H P Skid Loader \$6500
NH 782 Harvester Electric Controls \$7500
NH 679 Spreader \$5500

AG-Industrial Equip. Co.

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301-398-6132
215-869-3542

USED TRACTORS

FORD 8N w/wood saw
FORD 3000 Diesel, 8 Spd.
FORD 5000 8 spd. Diesel
IHC 454 Diesel w/loader
IHC 856 Diesel
JOHN DEERE 4020 PS, Side Console
MF 175 Diesel w/loader
OLIVER 770 Gas
OLIVER 1850 Diesel, 3 spd.
CASE 1030 Comfort King (nice)
EQUIPMENT
(2) Extra nice used 1 row NI corn pickers
NORMAN R. SHORES TRACTOR
RD 5, Towanda, PA
717-265-9014
No Sunday Sales

DEUTZ**NEW TRACTORS**

GB 888 front end loader, 66" bucket, rated 2900 lbs capy
GB 1010 loader, 96" bucket, rated 4100 lbs capy
Universal brackets available for both loaders
D6807A Deutz tractor, FWD, 68 h p w/loader
D6807 Deutz tractor, 68 h p
D6206 Deutz tractor 61 h p
D5207 Deutz tractor, 52 h p
D4507 Deutz tractor, 45 h p Low Hours
DX 120 Deutz tractor, 110 h p
DX 120A Deutz tractor, 4WD 110 h p
Massey Ferguson MF 2675 w/cab, 100 h p 24 speed trans. \$22,000
D4006 \$4800
1 pair 20.8x38 tires Goodyear power torque
Custom built diesel Gen Sets made to order
New & Used Deutz diesel engines at special prices. Call for details
New Deutz F-2L 912 diesel engines 20 32 H P electric start

Stauffer Diesel Inc.
312 West Main Street
New Holland, PA
PHONE 717-354-4181

**THIS MONTH'S NEW MACHINE SPECIALS**

KUBOTA TRACTOR B7100 HST
2 Whl. Drive
List \$6200

SPECIAL \$4800

KUBOTA TRACTOR 4 Whl. Drive
Model L305 DT
List \$10,170

SPECIAL \$7,900

JOHN DEERE 4040 TRACTOR
Quad Range w/Cab
List \$35,238

SPECIAL \$28,900

JOHN DEERE 950 12' Roller Harrow
List \$5,025

SPECIAL \$4600

450 Spreader

240 Loader

260 Loader

48 2700 Plow

22A Sub Soiler

51 Post Driver

USED TRACTORS

JD 2240 w/146 Loader \$12,000

JD 2020 w/47 Loader \$9,500

IHC 574 w/2000 Series Loader \$9,000

Finance waiver available on all "After Season" Equipment

SMITH IMPLEMENTS, INC.

Mercersburg, Pa 17236

717-328-2244

JOHN DEERE

NEW EQUIPMENT SPECIAL OF THE MONTH

JD 315 12' Disc

JD 4440 Tractor

JOHN DEERE

NEW EQUIPMENT SPECIAL OF THE MONTH

JD 315 12' Disc

JD 4440 Tractor

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NEW EQUIPMENT SPECIAL OF THE MONTH

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JD 315 12' Disc

JD 4440 Tractor

JOHN DEERE

NEW EQUIPMENT SPECIAL OF THE MONTH

JD 315 12' Disc

JD 4440 Tractor

JOHN DEERE

TRACTORS

Farmall H, good shape
AC D14
VAC Case w/wide front
Farmall C w/fast hitch,
cultivator, & 2 btm
plow

Farmall M

MISCELLANEOUS

Disc, plows, mowers,

balers, wagons,

rakes, harvester

grain bins, harrows,

pickers, & loaders.

DISMANTLING COMBINES FOR PARTS

Gleaner A, C, CH, AC 60, 66; IH 64, 76, 101, 124, 127, 141, 95, 91, 93, 203, 303, 205, 151; JD 124, 25, 30, 40, 45 round back, 45 square back, 50 round back, 55 square back, 95, 105, MF 80, 90, 26, 27, clipper, 72, 82, 92, 35, 300, 410, 510; Oliver 35, 40, 430, & pull type; Ford SP & pull types. NI unisystem combine, sheller and chopper.

DISMANTLING TRACTORS FOR PARTS

JD 2010, 70D, 4010, IH F 14, A, B, C, H, M, 300, 350, 460, 460 Ut., Supers C, H & M. JD A, B, 50 & 60. AC WD & D17 Oliver 70 & 77. Ford 8N & 860. Case SC & V.A.C. Massey 44D, MF 85D, IH 400, MTA, 240, F20, WD D2 Cat crawler.

Dismantling 75 combines for parts

DISMANTLING PICKERS FOR PARTS

IH 234, 2 MH, 2 MA, 1 pr, 2 pr, 20 and 24, JD 16, 337, 227, 226 and 1 rows, NI 305, #7, #10 and 2 row pull, Ford 2 row mtd., 1 row, Woods, GI, AC mtd., Oliver #5, 2 row mtd. pull.

KEITER'S FARM MACHINERY

R D. #1 Halifax, PA 17032 Rt. 225 20 mi. from Hbg.
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C.J. WONSIDLER BROS.
ALLIS-CHALMERS
AGRICULTURAL EQUIPMENT
Trumbauersville to Finland Rd., Quakertown, PA
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OR Rts. 309 & 100, New Tripoli, PA (215) 767-7611

USED MACHINERY SALE

Buy any used equipment today and SAVE HUNDREDS OF DOLLARS. CALL NOW and take advantage of the low prices being held over.

TRACTORS

AC 7040 D w/cab
AC 7020 PS D w/cab
AC 200 D
AC 190XT D w/cab
AC D19
AC D17 D
AC D15 Series III w/front end loader
AC WD45 G
AC WD G
Ford 3000 G
Ford 800
Ford 601
Ford 9N
Farmall 560 D
Farmall 400
Farmall 460 D
Farmall M
Farmall H
MF 1100 D
MF 1080 D
MF 180 D w/loader
MF 180 D
MF 50
White 250 D, like new
Oliver 1850 D
Oliver 500 D
Oliver 55 D
Case 630 w/loader
(3) Case 300
Case DV
(2) JD 60
Satho Elk 550 w/low hrs

COMBINES

Gleaner MKS w/13 grain & 630 corn heads
Gleaner FKS D w/grain & corn heads
Gleaner FKS w/grain & corn heads
Gleaner All w/13' grain & 2 row corn heads
Gleaner CII w/13' grain & 438 corn heads
JD 55 Corn Special w/cab, 12' grain & 330 corn heads
JD 55 w/grain & corn heads
JD 40 w/grain & corn heads
JD 45 w/grain & corn heads
MF 82 w/grain & corn heads
NH 975 w/grain & corn heads
IH 203 w/grain & corn heads
NI Uni System /04 w/717 combine, 4 row corn head
Morridge 400 Grain Dryer
Behlen 400 BU Grain Dryer

AVCO NEW IDEA**CORN PICKERS**

NI 105 w/307 husking bed, fits JD 3020
NI 305 w/307 husking bed & 302 sheller for Farmall tractors
NI #101 row
NI #71 row
AC 170 2 row w/husking bed like new!

SPEERY NEW HOLLAND

Lobachville, Oley, PA (215) 987-6221, 987-6257

FARM EQUIPMENT**FARM EQUIPMENT**

HYDRAULIC REPAIRS
CYLINDERS • JACKS
PUMPS • CAB JACKS

BEARTOWN HYDRAULICS

New and Used Equipment

Narvon, PA

Rt. 322 Midway

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CURTIS-TOLEDO

The new Curtis "Econo"-Line for those customers needing a high quality economically priced air compressor...you will find the "Econo" line far superior to similar models offered by our competitors

Curtis responds...compare -
You will be pleased

Wholesale - Retail

Sales - Service - Installations

We Service most Brands

Beiler Hydra-Matics

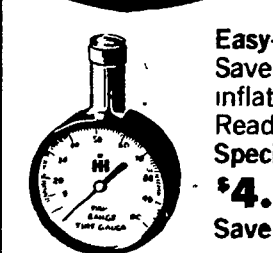
Hydraulic & Air Supplies

RD #3 New Holland, PA

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Erb & Henry's
Parts Mart
Specials!



Easy-Read tire gauge
Save fuel with proper inflation pressures.
Read to 100 lb
Special price
\$4.95
Save \$2.00

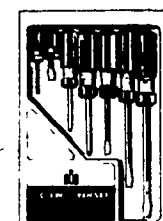
7-piece screwdriver set

Flat and Phillips bits
E-Z grip handles
Special Price

\$10.95

Save \$10.29

(Based on individual piece price)

**13-piece drill bit set**

Contains 13 straight-shank high-speed drill bits with polished steel flutes.
999 107 R1
\$10.49

ERB & HENRY EQUIP. INC.

New Berlinville, PA
1 Mile N. of Boyertown
Phone (215) 367-2169

LONG

WENGER'S INC.

TRACTOR WHOLESALERS

LONG

SOUTH RACE STREET
MYERSTOWN, PA 17067

DAYS:
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PHONE:
NIGHTS:
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OR:
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OLIVER		ALLIS CHALMERS	
2050	\$6000	220D	\$6000
1950 GM	\$6500	(2) 5040	\$4500
1855 Cab	\$10,000		\$8500
1800 4WD	\$5900	170D	\$5200
		WD Wide Front	\$1200
7000D Cab	\$7650	D12	\$1700
(2) 9N	\$1100-\$1600	WD45	\$1200
(2) 800	\$2000	Gw/Tools	\$1750
9N w/Ldr.	\$1950	190 XT	\$4250

JOHN DEERE		MASSEY FERGUSON	
4430 Cab	\$16,500	1155D	\$7500
4020D	\$7800	1150D	\$6500
3020D	\$5500	1105D w/Duals	\$8500
820D	\$2900	175D	\$4500
MT	\$1350	T030	\$1175
4020 Gas	\$5500	Pony w/cult	\$1250
5010	\$6500	MF 50	\$2500
4230 Cab	\$14,500	MF 35 w/Ldr.	\$2500
3020 Gas	\$4900		

LONG		FARMALL	
N 610DT	\$10,900	1086D	\$13,500
N 560DT	\$8700	1466D Cab	\$13,500
560DT	\$4750	1066D Cab	\$10,750
N 310	\$6500	806D	\$4650
N 310C	\$6500	706D German	\$6500
N 510 Crawler	\$7950	(3) 706D	\$4000
460 DT	\$6900	(2) 706G	\$3250
w/Loader		674D w/Loader	\$7800
		656D	\$5800
		300G	\$1200
		Super A	\$1300
		Cub w/cult	\$1450
		H	\$785
		(4) C	\$850 & up
		M	\$800
		856 w/cab	\$9250
		856	\$8850
		806 w/cab & duals	\$8000
		(2) 340	\$1700-\$2800
		2400 w/Loader	\$6500
		404 w/Mower	\$3500

CASE	
1370D	\$10,000
930DCK	\$4500
1470D 4WD	
Cab	\$12,000
(2) 930D CK	\$2800
Standard	\$4500
(2) 830D CK	\$1500
930 Standard	\$7000
1070 w/cab	\$6500
1410 - 600	\$10,750
Hours	



NH 850 ROUND BALERS
\$4500 - \$5250

NH 270 SQUARE BALER w/P.T.O. THROWER
\$1950

OLIVER 4WD FRONT END
UNIT OFF 1850
\$1475

SPECIAL
1200 Bushel Speedy
Corn Crib w/Steep Roofs
\$795.00

NEW MACHINERY SPECIALS

4' Pull Rotary Mower	\$675
5' Free Stall Scrapers	\$450
Landscape Boxes - Same As Above	
7' 3 Pt. Peg Harrow	\$395
10' 3 Pt. Peg Harrow	\$495
14' 3 Pt. Peg Harrow	\$595
3 Pt. Fertilizer Spreaders	\$395
6' 3 Pt. Landscape Rakes	\$495
2 Row 3 Pt. Marker	\$265
7' 3 Pt. Blades	\$245
6' 6" 3 Pt. Disc	\$495
2 Bottom 3 Pt. Plow	\$450
1200 Bu. Corn Crib	\$795
3 Pt. Woodsaws	\$875
3 Pt. Disc "O" Category	\$295
8 Ton Wagon w/8" Rims & QL Tongue	\$550
10 Ton Wagon w/8" Rims & QL Tongue	\$625
12 Ton Wagon w/10" Rims & QL Tongue	\$925
Round Bale Feeders	\$175
Gravity Bins 165 Bushel	\$450
70" 3 pt Rotovator	\$1695

SPECIAL
165 Bu Gravity Bin \$450.00

WE HAVE OVER 100 HEADS IN STOCK, CALL US

NARROW ROW CORN HEADS FOR COMBINES ON STOCK

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JD 443-334-313-434-643-343

AC 630-430-330
Oliver 541-703-531
MF 63-43-33-421-321
NH 4x30 QT - 3x30
Case 4x30 - 3x30
NI UNI - 3x30

WIDE ROW HEADS FOR COMBINES ON STOCK

INT 744-429-329-327-724-229-228-227-25-22

JD 434-334-235-210-234-205-10

AC 440-240-238-435
Oliver 544-531-522-512
MF 44-422-322-24-222-22-20
NH 2x40
Case 4x40 - 2x40
NI UNI 3x40 - 2x40

CORNPICKER SPECIALS

NI 325 30" w/Sheller & 8 Roll Bed \$5500
NI 311 40" w/Sheller \$1650
NI 324 40" w/Sheller - Rolled Tin \$4800
Lots of Sheller & Grinder Attach on Stock

Grinder Attach for NI Pull \$1800
NI Super Sheller Unit \$1650
NI 3x40 w/Super Sheller \$2950
NI 319 w/12 Roll Bed \$3000
NI 325 w/12 Roll - Late Model Rolled Tin \$5500

DRILLS
Int 13 S Disc \$900
Int 17 S Disc \$1800
Int 18 D Disc \$2000
JD 17 S Disc \$950
(2) JD 17 S Disc \$850 & \$1500

FORKLIFTS
Ford 30' Diesel \$11,500
JD 2010 \$5000
Int 340 \$4500
Yale 3000 Lb. \$3500

TRAILERS
1969 Great Dane 35 ton detachable \$15,750
New HD10 2 1/2 ton \$1650
New HSE14 4 ton \$1275
New HSM14 6 ton \$2000
New HSL14 6 ton \$1950
(3) New HTR16 8 ton \$2950
1976 Gooseneck 3 axle w/tilt top \$4800

CORNSHEDDERS
(3) JD 43 PTO \$250 & Up
MM D PTO \$375
(3) NI Grinder for Mtd. \$750
(4) NI Shellers for Pull \$300-\$1000
(3) IH 234 Shellers \$750-\$950

MISC. CONSTRUCTION
Davis DH5 trencher New Diesel \$13,500
(6) Sweeper attach. From \$95
(40) Used hoe buckets From \$150
(25) Loader buckets From \$95
New landscape boxes From \$425
(8) Set forklift forks From \$300
Air Compressor (Garage Type) - Like New \$1750
Mich 35 4WD Loader \$8500

TRUCK TRACTORS
(2) 1974 Ford Louisville Single - Diesel \$8650

LOG SKIDDERS
Franklin 133B w/Log Loader \$6250
RAKES & WINDROWERS
NH 479 Haybine \$3000
Gehl Haybine \$1250
Case Rake \$595
AC Rake \$795
JD 1209 Haybine \$1500
NH 477 Haybine \$1500

BALERS & STACKERS
JD 336 w/Kicker \$3900
NH 270 w/Kicker \$1950
Hesston 10 Stackers \$3000
(2) Hesston 10 W Movers \$750
(2) NH 850 Round Balers \$4500-\$5250
NH PTO Thrower \$700

**SPECIAL:
NEW LONG
510 CRAWLER
3 PT. PTO
\$7950**

DUMPS - CONSTRUCTION
1974 Ford Louisville Single Axle New 9' Dump Body 225 Cat Diesel \$13,900
1974 Int 2050 Single Axle New 9' Dump Body 225 Cat Diesel \$13,900

DUMPS - FARM
1974 Ford Louisville Single Axle New 18' Omaha Dump w/Cattle Racks 225 Cat Diesel \$14,950
(2) 16' Steel Dump Bodies - Complete - Used Less Than 1 Year Excellent \$4000

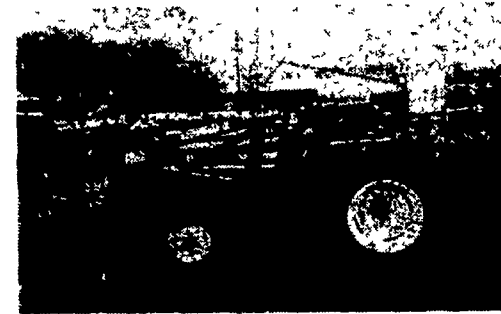
LOADERS
IH 2000 OH IH Utility \$800
IH 2001 - Mech Dump \$675
IH 2001 - Off 706 \$975
Horn off JD Utility \$300
Kelley - Off 340 Farmall \$575
Freeman Off Small Ford Pippin - Off IH Utility \$775
Davis Off MF 35 \$875

MISC. MACHINERY
Chisel Plows Long Roll Bars \$300
NH 352 Feed Mill \$2850
Manure Spreaders Snow Plows Side Dressers Large Papec Mill \$500
Spike Harrows \$75 per section
Field Cultivators Spring Harrows \$75 per section
Swartz Mixer Cart \$1850
1 Row Potato Digger w/engine \$495
Lime Drill \$295
(2) Rotary Mowers - Approx. 14' \$1500-\$2500
1X PTO - Potato Digger \$695
N.H. 354 Feed Mill \$3850

BACKHOES
Long 3 pt. Hoe-new \$4500
Long 5 in 1 w/cab \$17,500
(2) JD 310 \$11,500
Ware Hoe Attach \$2750
Case 580B w/Cab Extend A Hoe \$7350
Case Hoe Attach \$2750
JD 9300 Hoe Attach \$5500
3 Pt. Backhoe \$2400
Arps 3 Pt. Backhoe \$3000
IH Hoe Attach \$1800

**FOR SALE
I & T TRACTOR
SHOP MANUALS
FOR OLDER
& NEWER
TRACTORS**

CABS
New All Season For 930 & 1030 \$1700
New FV For 1150 MF \$1700
New FV For 1085-1155 MF \$2000
Used For NI Uni System \$900
Oliver Rollbar \$475
Air Cond (New) For JD 33-44-6600 \$675
Combine Cab Off IH \$403
Combine Cab Off 3400 Ford \$800



LOADER TRACTORS

IH 674 D (pictured) \$7800
IH 2400A \$6500
IH 340 - Widefront \$2800
IH 340 - Trycycle \$1700
MF 35 \$2500
Ford 9N \$1950
Long 460 4WD \$6900

CRAWLER LOADERS
Cat 941 \$16,900
Cat 933 \$8750
(2) JD 350 \$6500-\$7500
JD 450B w/9300 Hoe \$15,900

**1978 CHEVY
DIESEL PICKUP
- 40,000 MILES
\$4800 OR OFFER**

**DUALS - ALL SIZES
ON STOCK**

ROLLBACKS
1979 Int 2500 Tandem 290 Cummings 1110 Trans Jerr-Dan 26' Rollback Built Super Heavy \$48,500
1968 Int Diesel 24' \$7500
1976 Ford Louisville Diesel - PS - 5 & 2 - 24 Rollback Nice \$23,750

PLOWS
White 6x18 Reset \$5000
JD 5x16 Pull \$775
(40) 1X to fit small tractors
JD 1450 6x16 \$2150
JD 1450 6x16 \$2950
JD 1450 6x18 \$3350
IH 720 5x20 Reset \$5000
(2) JD 2600 4x Reset New \$5000
IH 6x16 Reset \$2800
JD 2600 7x18 On Land Spring Reset \$6000
1x-2x pulls on stock
Lot of 3x and Smaller Plows MF 3x Rollover \$1250

DISC'S
Int 36 w/wings \$4500
Int 44 w/wings \$4500
Long Offset \$4000
Wilbeck Offset \$4500
(2) Int Cabs - Rebuilt \$495
JD KBA 28 Rebuilt \$750
IH 28 FH - Rebuilt \$750
(2) IH 44 Blade - Rebuilt \$1800-\$2000
(2) IH 40 Blade - Rebuilt \$1800
(3) IH 36 Blade - Rebuilt \$1800
(2) Cub - Used \$400
Oliver 36 Blade Wheel \$1500
(14) 6' 6" 3 pt - New \$495
White 32 Blade \$1700

SKID STEER LOADERS
Case 1740 Diesel \$6800
Melroe 500 \$3500
OMC \$3500

COMBINES
(2) JD 40's \$1600
MF 35 Pull \$2500
IH 203 \$1675
IH 403 \$3000
MF 300 Q Tach \$3000

**COMPLETE RUNNING
GAS & DIESEL ENGINES**
50 On Stock - Call

ELEVATORS
King Wyse Corn Drag \$395
Mayrath - 32' \$600

HARVESTER & HEADS
NH 707 - 3 pt - 1 Row Chopper NH 717, 1X-2x30-2x40 Heads
NH 717 P.U. & Cutterbar Heads
NH 890 Chopper NH 880-890, 1X-2x40, 2x30, 3x30 Heads
NH 818 P.U. Head NH 616, 1X, P.U., Cutterbar Heads
JD 38 Chopper JD 35-38-3800, 1X-2x40-3x30 Heads
JD 35-38-3800, P.U. & Cutterbar Heads
JD 34, 2x30, P.U., & Cutterbar Heads
IH 555 Chopper IH 50 to 650, 2x30-2x40 Heads
IH 50 to 650, P.U., & Cutterbar Heads
IH 15 to 350 P.U. & Cutterbar Heads
Fox Chopper Fox 1X-2x40-2x30-4x20 Heads
Fox 2x30-3x30 Snapper Heads
Fox P.U. & Cutterbar Heads
AC 720 Chopper AC 720 2x30 & P.U. Heads
AC 780 P.U. Heads Gehl 2x30, 2x40, P.U., & Cutterbar Heads
Case P.U. Heads Hesston P.U. Heads

**NEXT AUCTION
DEC. 14
9:30 A.M.**

NI UNI SYSTEMS
701 Tractor w/cab 727 Husking Bed 2x40 Cornhead 3x30 Cornhead Combine Grainhead 3x30 Chopper Head Pickup Head High Moisture Throat 2x40 Chopper Head 3x40 Corn Head 705 Diesel w/cab 760 Chopper

USED EQUIPMENT

TRACTORS:

• Waiver of Finance on Used Tractors To March 1, 1982

IH 1566 D., Cab & Air, 30.5x32 tires, new TA, Real Nice

JD 4520, 20.8x38 Radials, No Cab

IH 560 Gas, 400 Gas, 300 Gas

IH 706 Gas

IH 656 D Hydro

IH 350 High Utility

IH 350 Farmall

IH 544 Gas w/2000 Loader

MF 165 Diesel

White 2-85

JD 1010 Gas w/Tricycle Front End

Oliver 1800 Gas, Wide Front End, over & under

Farmall 300 3 ph, real nice

TILLAGE:

IH 760 14' Offset Disc

IH 475 13'5 Disc Harrow

Bush Hog 18' Folding Disc

Pittsburg 12' Disc

Oliver 251 9' Disc, Real Nice

IH 370, 350, 37, 35 in Various Sizes

JD 12' 3-Rank Chisel

JD 1600 12-shank Chisel

Plow w/ga wheels

JD F245 24' Bottom on Land Plow

Oliver 4-Bot. Semi-Mtd Plow

Int. 663 6-Row Cultivator

PLANTERS:

4 & 6 Row Cyclos, Field Ready!

JD FBB 17x7 Comb. Single Disc, Good Shape!

JD 494-A, DD, 4-Row Planter

IH No. 10 13x7 Plain Drill

IH No. 10 16x7 Single Disc, Comb, Hyd Lift

IH No. 10 16x7 Single Disc, Comb

Oliver 24x6 Combination Drill

Oliver 17x7 Combination Drill

MF 13x7 Comb Drill

COMBINES:

915 Combine, Low Hours, Like New

(1) 844 Cornhead

810 15' Floating Cutting Bar

810 12' Floating Cutting Bar

• Waiver of Finance to 9/1/82

IH 403 w 4-Row Wide Head & 12 ft. Grain Platform

IH 315, 2-Row Wide Head

IH 205 w/227 Head

IH 203 w/2 Row Head

IH 227 Cornhead, fits 315, 205 or 203

Straw Chopper for Gleaner M

HAY & FORAGE EQUIPMENT:

#8 Flail Chopper, Like New

JD 115 Forage Wagon

Gehl 800 Recutter Blower

Model BN98 Badger Blower

Gehl FBB 88 Blower

38 JD Chopper

550 IH Chopper

36 NH Flail Chopper

33 NH Flail Chopper

(2) 990 Int. Mower Cond, 9 ft.

1014 Hesston Mower Cond.

420T Hesston S.P.

NH 479 Haybine

MF DEO-20 3 pt Hitch, 5 Bar Rake

ERB & HENRY EQUIP., INC.

New Berlinville, PA 19545
Ph (215) 367-2169
Daily 7-5
Fri 7-9, Sat 7-4

ATTENTION!



FARMERS & CONTRACTORS

Skid Loader Replacement Engines New & Rebuilt

Wisconsin-Kohler-Ford-Deutz-Perkins-Hatz

Engines in Stock

☆ Large Parts Inventory

for IH, Case, etc.

☆ Complete Rebuilding

Meine, Olatoma,

☆ Rebuilt Short Blocks

Ford, Gehl, and others

FISHER ENGINE SERVICE

3141 Old Philadelphia Pike
Bird-in-Hand, Pa. 17505

717-768-3729

NEW EQUIPMENT

IH 986 Tractor

#10 flail chopper \$3700

Woods rotary cutter, 6' \$900

Winco 25 KW generator w/trailer \$1850

Bush Hog 5' chisel plow \$800

USED EQUIPMENT

Ferguson tractor

Farmall A tractor

AC gleaner combine model CII 14' grain & 4 row corn head \$7500

IH 674 diesel

NI 323 corn picker, cream puff (SOLD)

IH 574 diesel utility, low hrs. \$7300

IH 544 gas hydro, new engine \$5800

NH 469 haybine \$2400

IH 400 cyclo planter \$3000

Oliver 5F 16' plow \$1150

Oliver trail plow, 3f trip, \$300

1 NH 68 baler w/thrower \$800

Sheller for NI picker \$600

IH 234 corn picker

2 MH corn picker (SOLD)

NI manure spreader \$500

72" Woods under mount mower \$500

2- IH 990 mower conditioner, \$1975

IH 234 sheller attachment \$1325

Kelly loader \$400

2 IH 550 forage harvester hay & corn head \$2700

IH 540 furrow plow, \$1100

Brilliant cultipacker, like new \$950

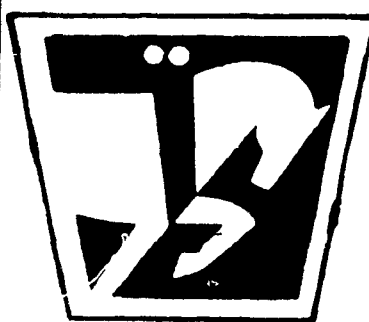
2000 loader

DOMBACH EQUIPMENT

McAllisterville, Pa.

717-463-2191

WISCONSIN ENGINES



10% OFF

all parts

used in

engine

repairs.

Sales &

Service



ADAPTABLE TO MOST APPLICATIONS

From 13HP to 200HP

OIL COOLED WATER COOLED AIR COOLED

(1) Used SU 1056 100 H.P. \$3400

★ Will Install In Skid Loaders, Balers,

Forage Harvesters, Etc.

LUMBER JACK WOODSAWS AVAILABLE

3 Pt. Hitch, 540 PTO

SALES & SERVICE

MILLER'S REPAIR

1 Mile North of Bird-in-Hand

8 Miles East of Lancaster

RD 1, Bird-in-Hand, PA Ph: 717-656-6109

FARM EQUIPMENT

MF 184-4, 400 hrs, \$16,800

Antietam Ford Tractor 301-791-1200

Batch mixer Supreme 7004 in good cond., Van Dale 10' silo unloader in fair cond 717-299-3638

(Combines, Corn Heads, Pickers, Tractors and Equipment Just Arrived on our Lot.

(Combines) JD 6600

Side Hill turbo, hydro, floating cutter bar, and choice of corn heads, real nice; 1977 Int. 915 w/monitor, fully equip. w/large tires, grain and 863 corn head. 1973 Int. 915 gas w/grain head nice, under \$10,000.

White 8000 Combine used 90 hrs. like new.

JD 643, 243, 444 C.H.; NI 325 w/12 roll 324 w/12 roll; New Farmall 986 w/Rops \$18,800; New MF 2705 cab, air, \$27,000; Used Int. 4388 4 whl drive w/duals, New N.H. 489 haybine; New N.H. 315 Baler; N.H. 268 Baler w/thrower; N.H. 68 balers w/throwers \$775 ea. or make offer; NI 323 one row used 2 years. NI 323 one row \$2475.

(COMBINES) New JD 4420 fully equip. w/213 grain & 443 C.H. MF 750 Hydra D w/air, purchased new in '79, fully equip. w/grain & 1144CH, real N-I-C-E. 1976 Gleaner FD w/air and both heads (1 local owner clean); 1976 Gleaner K w/cab and grain never used in corn, MF 510D w/mud hog and quick tach grain and 44 C.H.; MF 300 diesel w/cab and grain real sharp. 1968 Gleaner CII diesel w/cab and 4 row C.H., JD 7700 D w/grain & corn head, JD 6600 D w/air & 13 Ft. grain. JD 55 sq. back corn special w/cab and 2 heads; JD 45 sq. back w/cab (SOLD) and 2 heads. Int 715 gas w/cab, 810 grain and 844 C.H., MF 510D w/Quick Tach Heads, Oliver 25 w/cab.

MF 760 diesel hydra with grain and 6 row \$19,750. MF 300 combine w/cab and grain for \$2895.00. Late model Int. 303 w/cab.

N.I. 702 D w/767 Super Chopper. N.I. 702 D w/husking bed and 3 row C.H., NI 702 w/729 A sheller, 702 D w/rebuilt motor.

TRACTORS & EQUIP. Farmall 1566 w/cab and duals, new JD 4240 C.A. Q.R., Oliver 1855 w/factory cab. Farmall 560 D WF, Used Farmall 1086 w/R.G., Canopy, Used JD 2940 w/front wheel drive and cab used 350 hrs purchased new in 1980, White 2-105 w/roll guard, ACXT190 real nice. Ford 4000D w/1400 hrs. excl., M.F. 285D w/R.G., M.F. 165 Tri D. N.H. 1010 Bale Stack Wagon, 3 new Bush Hog Chisel plows 9 & 11 ft. all w/gauge wheels; JD #350 4x16 reset plow like new; used 4430 w/sound guard, cab, Q.R. \$16,500.00; Used JD 2640. Corn Heads. Gleaner K330, FL430, E330, A430 for F 2 F2, MF 421, White 4-150-4 whl. drive, fully eq., Int. 574.

NEW FARMALLS. 1086 C.A. for \$25,400 New 986 C.A. new \$3388 2+2, New JD 4240 w/Roll Guard & Q.R. \$24,900; New 4040 w/Power Shift and R.G. for \$23,950, JD

FARM EQUIPMENT

Field cultivator A.C. 1200 18' hydraulic fold, used 1 year \$1900. Disc harrow MF 520 14' like new \$3500 609-859-2009 evenings

3020 w/Drift Lock; JD 2020, Used Farmall 886 w/R.G. real nice, 1086 w/red cab, Farmall 706 w/310 diesel, 560 tri D. F.H., Farmall 560D w/2000 loader, Farmall 1256 w/cab & air, Farmall 504 Utility gas w/3 pt., 1970 JD 4020 W.F., 2 New Haybines, New Gehl 1090 9' for \$4450, New NI 299 for \$4250, (3) real nice balers, Int. 445 baler w/thrower just like a new one \$3500 less than dealer cost. NH 320 w/thrower, used 1 season. NH 277 w/thrower, JD 24T w/#30 kicker

Corn Heads JD 643, 444, 343, 344, 435N for 95, 335, and 313 for 55C, 334, 235, Massey Ferguson 44, 63, 43, 24, 33, 222, 422, Gleaner G435 LA38, F430, F438, A430, E240, K238, F335, F330, K330, G630 N.H. 4-row quick tach, Int. 864, 844, 843, 744, 743, 227, NI 4-row 40' heads, Case 3 row 30", Case 4 row 40", MF 43 Lo Profile, Int. 744 for 715, Int. 6 row, 30" for 503, NH 4 row 38" C.H. New JD 444, \$7350. Just Rec. - New JD 643 for \$10,800, used White 704N, 706N C.H. used JD 444 for \$3500.

TRACTORS JD 6030 C.A. Duals, real sharp; JD 6030 cab and duals, fair; JD 4520 w/triple hyd. for 11,900. Nice, JD 4320 for \$11,850. Farmall used 986 cab and air, 1566 cab and air, w/new T.A., for \$18,000. Farmall 706 gas w/TA and 3 pt. original real good for \$4500. Farmall 544 gas W.F. Farmall 706D WF & 3 pt.; NI 324 picker w/super sheller used 80 acres.

CORN PICKERS - only 9 left to pick from (new) N.I. 324 w/12 roll bed; NEW New Idea 325 w/12 roll bed, Used (4) N.I. 324 w/12 roll bed, (1) NI 325 N w/12 roll bed (325 N. w/sheller), NI 3 row 30" picker w/super sheller, New Idea shellers and Super shellers, NI 2 row 30" picker w/grinder. Int. 234 w/12 roll bed. JD 3800 2 row chopper

John Deere 8530-4 Wh. Drive w/3 pt. PTO & Dual Wheels, real nice, also AC #2600 - 28 ft. Hyd. wing disk, like new, J.D. 7520 w/3 pt. & Dual Wheels.

(Tractors w/Loaders), JD 4020 w/58 Loader, Farmall 1206 w/cab. Case 930 CK w/5X Plow. New JD 4440 cab, air, power shift. J.D. 4010 gas. JD 4020 gas \$4900. JD 4430 C.A. QR, 1970 JD 4020 w/roll guard; JD 4320 w/cab, 2-JD 1970 4020 w/dual hyd., 1970 JD 4020 Power Shift & Dual Hyd., Farmall 856 - nice.

Farmall - 1568 - V8 w/cab & air used 1000 hrs., used 686 w/cab & air, 1566 w/cab, 766 D; 1466 w/cab.

Steiger Bearcat 4 whl drive w/dual wheels and new motor in excell cond., Gleaner E Combine w/cab, grain and corn head, Farmall 1206, 460 Gas w/F.H., Farmall, 756 gas, 560, 856 w/front wheel drive, Farmall Hi Crop - 656

FARM EQUIPMENT

NH 850 round baler, very good cond., makes 1500 lb bales \$4500. 717-349-2600

Used Patz barn cleaner and farming opportunity on share basis 814-239-2593

diesel, 156, 300. Cub Loboy w/mower, Cub w/mower and F.H.

HARVESTERS. New Int. 720 w/2 row, for \$7800.00, JD 38 w/2 row pickup N.H. 770 w/2 row, J.D. 38 Chopper w/2 row, NI 3 row, Fox 2 row 30", Fox 3 row 30", Fox 2 row snapper head. JD 1 row snapper head like new.

ALLIS CHALMERS 7080 w/cab & duals \$18,900 duals 7040 w/cab, power shift like new, AC 200 w/cab & air, AC 185 - \$10,400, low hrs., 210 w/new 20.8x38 tires. A.C. 185D w/loader

JOHN DEERE New JD 4440 cab, air, power shift, \$35,900. Used JD 4430 - 4 post, power shift, used 4230 cab, air, QR, nice, 1975 - 4430 C.A. QR. sharp. 4030, 5020 tractor puller, 1972 JD 4000 D.P.S. 1 local owner sharp. 4010D w/WF, 730D, 720 D. 60 w/3 pt., 3010 gas utility, 520. JD 3020 P.S. Gas JD 4030 w/R.G. and Quad

FARMALLS: used 1586 w/cab fully eq. w/duals, used 500 hrs. like new, 1086 w/Rops, 966 black stripe w/roll guard, 856 w/3 pt. and 38" tires, 1206, 806 w/3 pt. & 38" wheels, Farmall 656 Diesel & 656 gas, 766, 1456, 806, Farmall hydro 70 w/w.t. and 3 pt., 826 hydro D nice. 504 WF w/3 pt. 460 Dsl. TA, nice, \$2275, 400 w/P.S. & F.H., Super C w/cult. and 7 ft mower, Ford 6000 tri D for \$1975.00.

New White 2-105 w/cab \$22,850. Oliver 1755 w/cab and air, Oliver 1650 w/R.G., 1750 w/over and under, 1800 D W.F., 1855, 1850 w/over and under, Ford 2000 w/loader, Ford 4000 Tri. D

MASSEY FERGUSON - 1977 - 1135 C.A. low hrs., 1130D, Super 90D for \$3400.00

MF 165D w/heavy duty loader. MF 175D, sharp.

(Case) New 2090 Cab & Air, power shift \$23,950; 1977 Case 1070 power shift w/cab enclosure real nice, 1975 Case 970 w/4 post, P.S., Case 1370 - P.S., Case 970 w/P.S. Oliver 1955 & 1850 D. w/over & under shift 1950T w/cab, 2050, 1855 w/20:8 tires, 1650, Ford 9600 diesel w/dual power and dual wheels, Ford 8600 w/cab, like new, 6000 Commander, D Ford 4000 MM 5670 diesel.

COMBINES - JD 7700 Diesel w/Fire Damaged cab. 510 D w/fire damage, N.I. Demo 768 WN 3 row head, N.I. 702 Uni tractors w/combines & 729 A and 729 Uni shellers w-3 & 4 row 30" and 40" heads. Used JD 13 to 15 ft. grain heads, JD 216 & 213 flex heads

IND. EQUIPMENT - Int. 510 4 whl. drive payloader used 500 hrs. like new. Cat 955 crawler loader, Case 850 D dozer w/hydr. blade, Michigan 55B Diesel Payloader, Case 530D. L & B - \$4475, Skid Loaders - Bobcat Hydro 720, 700 Ford CLA0 Skid

FARM EQUIPMENT

Woods 6' Brush Hog 3 point hitch one pair medium castrators Franklin Co 717-328-5302

Wanted - About 1954 Minneapolis Moline combine 201-948-4988 Sussex County, N.J.

Loader

CORN PLANTERS - New & Used 7000 JD 4 row w/Inst., Used JD 1240 plateless w/Inst. XX disk openers in exc. cond. new White 5100 four row planter fully eq. used MF 4 row planter. N.H. 354 Gr. Mixer. Used Int. 1250 Gr. Mixer w/elect. scales - nice, Int. 56 Blower for \$485.00. Hesston #10 stackhand wagon, N.I. 325 picker w/sheller, NI 324 w/super sheller, NH 36 Flail Chopper like new. New Brillion 22' and 25' fold culti-mulchers. Call for old prices.

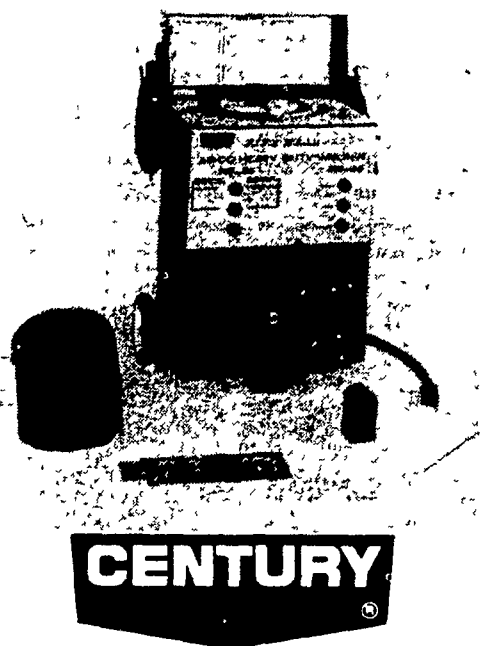
JD 220 hydraulic fold wing disk; White 252 wing disk. Used JD 453 bean head.

New Case 8 row hydraulic fold cult. used N.I. 272 7 ft. cut/ditcher, JD #930 3 pt. R.H. JD #350 PTO drive 40 ft. elevator. Badger 1500 gal. liquid tank spreader, used haybines, JD 1209, 1207, Hesston PT10, Case 550, NH 479, 460.

(New) NH 310

You'll Save Time and Money With A 295 AMP AC/250 AMP DC ARC WELDER

See This amazing new welder being
demonstrated by **EARL HANSEN** from
CENTURY MFG. CO. on
THURSDAY, NOVEMBER 19, 1981 at 1:00 P.M.



IT'S 5 WELDERS IN 1

Smooth AC Welding. For general purpose work on mild steel. Uses lowest priced welding rod.

Force-AC Welding. Runs any AC welding rod made. Welds light aluminum with TIG attachment.

Straight Polarity-DC Welding. Makes hard-surfacing fast and easy. Welds light stainless steel with TIG attachment.

Cutting Tap. Clean cuts in any type of metal. Drill holes in heavy metal or hard to reach spots. Gouge heavy metal while still on the equipment.

Reverse Polarity-DC Welding. Built in pressure holds weld in place. Weld overhead and vertical as easy as flat. Runs low hydrogen rods for strong welds in high carbon steel.

USED LAWN & GARDEN EQUIPMENT

TRACTORS

- Elec-Trak Garden Tractor E12M, 12 H P, w/42" Under Mount Rotary Mower, 3 Speed Transmission, w/3 Speed Variable Drive **\$895.00**
- Bolens Garden Tractor 1050 (192-02) 10 H P, w/42" Rotary Mower, 6 Speed Transmission, Electric Start **\$995.00**
- Bolens Garden Tractor 1254 (06) 12 H P, w/42" Rotary Mower, 6 Speed Transmission, Electric Start **\$1,395.00**
- Bolens Garden Tractor H18XL (1858), 18 H P, w/48" Rotary Mower, Hydrostatic Drive, Electric Start, Hydraulic Lift **\$3,195.00**

CHAIN SAWS

- Homelite XL, 1 6 cubic inch w/10" Bar **\$60.00**
- Homelite Super 2, 1 9 cubic inch w/14" Bar **\$125.00**
- Remington Mighty Mite 500 2 3 cubic inch w/16" Bar **\$140.00**
- Sears 3 7 Cubic inch # w/17" Bar **\$175.00**

GENERATORS

- Homelite 176A 35, 8 HP 3500 Watt, 120/240 Volt, 29 2/14 6 AMP, Automatic Idler, 5 120 Volt Receptical 1-240 Volt Receptical **\$695.00**

AIR COMPRESSOR

- Campbell Hausfeld, FL3101 1/2 H P w/12 Gal Tank **\$130.00**

RAINBOW TARPS 22 OZ. RED FARM BODY COVERS w/12" Drop & Fitted Front

- 14 ft. Farm Body Cover. . . **\$195⁰⁰**
- 16 ft. Farm Body Cover. . . **\$215⁰⁰**
- 18 ft. Farm Body Cover. . . **\$240⁰⁰**
- 20 ft. Farm Body Cover. . . **\$265⁰⁰**
- 22 ft. Farm Body Cover. . . **\$325⁰⁰**

GRAIN AUGERS

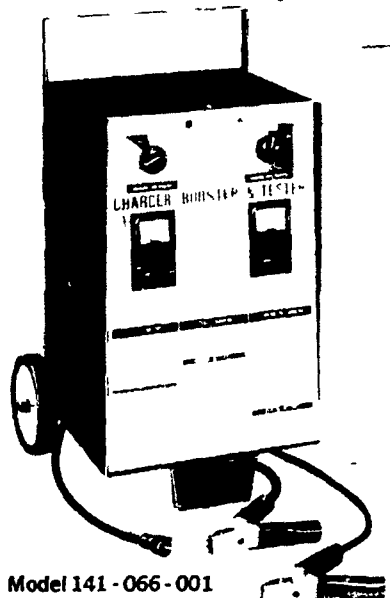
- Used New Idea 54 ft x 8 in Transport Auger, Top Drive, Good Condition **\$1750.00**
- New Bush Hog 48 ft x 8 in Transport Auger, Bottom Drive, Special Price **\$2250.00**
- New Bush Hog 53 ft x 8 in Transport Auger, Bottom Drive, Special Price **\$2350.00**

CENTURY

CENTURY CHARGER and TORCH KIT SALE

Prices Good Through November 30, 1981

80/80 AMP CHARGER, 300 AMP BOOSTER, AND BATTERY TESTER



Model 141 - 066 - 001

THEY SAID IT
COULDN'T BE DONE!

NOW SAVE **\$129.55**
WAS **\$329.50**
NOW **\$199.95**

NEW FOUR PRODUCTS IN ONE!

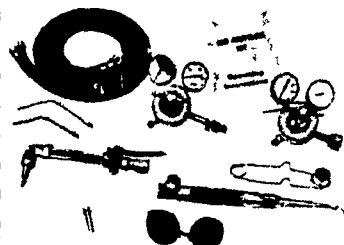
- Electronic Hydrometer and Battery Tester
- Alternator Tester
- Heavy Duty Battery Charger
- Starter Booster

- Plus -
Three-Way Adjustable Handle
Multi-Position Switch And 2 Hour
Timer

CENTURY

HEAVY DUTY COMBINATION WELDING & CUTTING OUTFIT

NOW SAVE **\$29.55**
WAS **\$249.50**
NOW **\$219.95**



#13 - 005 - 000
Heavy Duty Outfit

- Cuts to 3" Thick
- Operates on Both L.P. Gas and Acetylene
- Heavy Duty Brass Regulators
- Includes Striker, Goggles, and Simplified Instructions

CHAIN SAW CS-750EVL

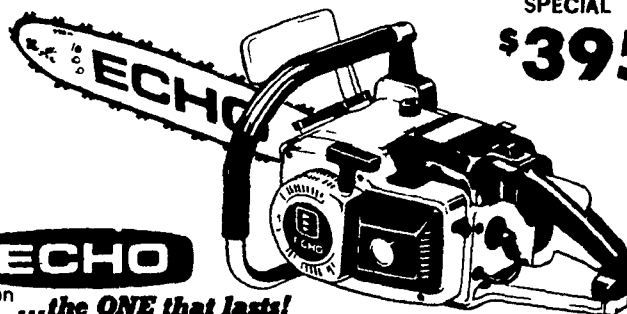
ECHO'S 78.6cc Professional Saw For
Extended Heavy-Duty Cutting.

Reg \$509.95
with 24"
Bar and
Chain
SPECIAL

\$395

Features:

- Electronic ignition for easy starting... time after time year after year
- Automatic oiler plus separate manual pump for trouble-free operation
- Efficient piston cooling increases power output.
- Patented oil tank placement helps prevent overheating
- "Vibe-less" anti-vibration system for cutting comfort.
- Throttle control lockout, cushioned handles front and rear hand guard, chain catcher
- 12-MONTH LIMITED WARRANTY*



...the ONE that lasts!

(ONLY 4 LEFT AT THIS PRICE)

USED 12 FT. GRAIN BODY With 38" Wood Sides & Tail Hinge for Hoist

\$1250.00

USED 14 FT. MIDWEST GRAIN BODY With 28" Wood Sides & 12" Extensions 10 Ton Cylinder Hoist

\$2250.00

(PTO & Installation Extra)

USED OLIVER TRACTOR PARTS

NOTE: We Have A Good Selection Of
Used Oliver Tractor Parts For The
Following Models: 55, 66, 77, 88, 1600

FOX

NEW & USED REPLACEMENT PARTS

NEW & USED REPLACEMENT
PARTS FOR OLIVER #5 1 ROW
CORN PICKER IN STOCK

CALL & CHECK WITH PAUL
WEAVER — WE WILL SHIP UPS

FARMERSVILLE EQUIPMENT INC.

WHITE - BRILLION -
BUSH HOG - FOX -
VICON - KUBOTA -
BOLENS - HOMELITE -
ECHO - HARSH -
OMAHA STANDARD

RD 4, East Farmersville Road, Ephrata,
PA 17522

Located in the Village of Farmersville,
Lancaster County
717-354-4271

Hours Mon, Tues, Wed & Fri 7:30 A.M. to 5:30 P.M.
Thurs to 8 P.M. Sat till 3 P.M.





Ford Tractors, Models
Jubilee, 8N, 600, 971,
2000, 2600, 3000,
3600, 4000, 5000,
5600, 6700
David Brown 4600
AC WC
New Ford forage harvester
Model 670
Ford compact loaders
Model CL30 and 340
Big Dipper front end loader
Davis fleetline trencher
backhoe
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Wheel Trencher

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FARM SUPPLY**
1760 East Canal Road
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717-292-4443



SPECIAL CLEARANCE BUYS

**NEW JOHN
DEERE EQUIPMENT**
2040 Tractor
336 Baler w/ejector
HD 336 Spring Tooth
Harrow
1207 Mower Conditioner
1209 Mower Conditioner
2500 4B Hyd. Reset Plow
660 Rake
C81 Spin Spreader
714 Chuck Wagon
1065A Running Gear
1075 Running Gear
1710 Mulch Tiller
Waiver of Finance on
New Utility Tractors
and Equipment sold
with tractors. Also
Lawn & Garden
Tractors

OTHER EQUIPMENT AVAILABLE

JD 45 Rear Blade 7'
JD 88 Rear Blade 9'
Bush Hog RM30 Rear
Blade 6'
Bush Hog 1123-7' Rear
Blade
JD 143-145 Loaders
JD 609 Rotary Cutter
JD 850, 950, 1050
Tractors
Century 500 gallon
Liquid Fertilizer
Sprayer

USED EQUIPMENT

JD B
JD LA
JD 520
JD 720
JD 3010
JD 4020
Farmall H, M, MD
AC C, WC, WD
Ford 8N
Farmhand Chuck
Wagon
NH #6 Chuck Wagon
IH Chuck Wagon
JD KBA Disc
JD 55 Combine w/Corn
Head
JD 95 Combine w/ Corn
Head
AC Gleaner CII w/C.H.
Bush Hog 1600 Cutter
Wood C-114 Cutter
NH 6' Cutter
Brillion RSS-112 Cutter
JD 507 Cutter

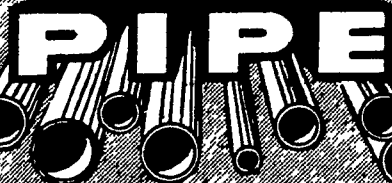
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Equipment not listed.
See us Now!

Call For Details.
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H. SCHWARTZ & SONS, INC.

**NOW SERVING THE STATE
OF DELAWARE DIRECTLY
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**NEW, USED and RECONDITIONED PIPE
STANDARD - EXTRA & DOUBLE EXTRA HEAVY - ALL
SCHEDULES - ALL TYPES FABRICATION - THREADING
CUTTING - WELDING**

**121 SO. MARKET ST. - WILMINGTON 19001
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**Nothing runs
like a Deere**

THIS WEEK'S SPECIAL ON USED PLANTERS

Free Financing Till April 1, 1982

	List	Sale
JD 7000 6RN conservation liquid	\$9,500	'8,500
JD 7000 4 RW max immerge w/population monitor	6,800	5,600
JD 1240 plateless planter	2,500	1,875
JD 494A	900	475
JD 494 for parts	500	300
IHC Cyclo 6RN	5,000	3,200
White 5400 liquid	6,600	5,200
AC planter	3,500	2,100

Repossessed Planters

JD 7000 planter, 4RN maximmerge, new never used	8,950	8,400
JD 7000 planter 4 row conservation like new	9,500	8,600

NO TRADE ON SALE PRICES

**AUKER-ENA
EQUIPMENT, INC.**

Oakland Mills, PA 17067
717-463-3511 436-2235



FALL SHOP SPECIAL

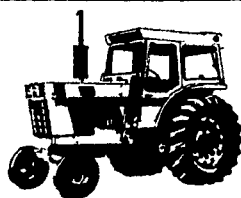
**Winter Tractor Maintenance
10% DISCOUNT ON LABOR
ON PRE-WINTER REPAIRS**

TRACTOR PAINT SPECIAL

Let us make your tractor look like a new one at a 10% Savings.

Call for an estimate
Program effective
10/26/81 thru 11/30/81

AG-Industrial Equip. Co.
301-658-5568 301-398-6132
215-869-3542



NEW TRACTORS

IH 284D
IH 284D 4WD
IH 484
IH 684 w/loader
IH 884
IH 384
IH 274
IH 584
IH 784

NEW CULTIVATORS

2 IH 183 4 row Vibra
tines

NEW

HAY EQUIPMENT

IH 445 W balers
IH #15 bale throwers
IH 1190 9' mower
conditioners
IH 1300 7' 3 pt. hitch
mower
IH 35 rakes

NEW

DISC HARROWS

IH 122 5'6"
IH 122 6'9"
IH 475 18'7"
IH 501



**Uptime
Service**



W. HOBENSACK'S SONS
1060 GREELEY AVE.
IVYLAND, BUCKS CO., PA.
18974

1-215-675-1610

1-215-343-2101

NEW TRACTORS:

MF 4840 Tractor 4 WD MF 255
\$5000 Discount Used 424 Int. w/loader
MF 265 - \$4800

NEW COMBINES

MF 860 - 1982 MF 850 - MF 540

CHECK FOR SPECIAL PRICES ON THESE COMBINES

White 7300
White 9700 (NY customers take note-this is 4WD!)

NEW IMPLEMENTS

MF 820 Disc Taylorway 600054 Disc
MF 925 Haytender Brady 3270 Cultivator
Brady 1800 Chisel Kiker 300 gal. Sprayer
White 25 Disc Taylorway 600003 Chisel
White 256 Disc MF 220 Disc
White 5400 Planter Dry No Till
McCurdy 275 Gravity Box Less Gear

McCurdy 230 Gravity Box Less Gear
MF 200 Forage Harvester
MF 260 Forage Harvester
Fox 2310 Forage Harvester
Fox 6354 S/P Forage Harvester, 4 WD - Special Price!
MF 124 Baler
All Sizes New MF Corn Heads Now Available

NEW GT DRYERS NOW AVAILABLE

USED COMBINES:

All Diesels under stated
MF 760 Turbo 6 1979
MF 760 V-8 1978
MF 750 Turbo 6 1978
MF 510 1977

JD 45 W/Grain Head
OL 525 w/2 row CH 11
Ft Grain Gas
NH 975 Combine
NH 1400 Combine
Used MF 540

ALSO LIMITED SUPPLY OF USED CORN HEADS AVAILABLE SO SHOP EARLY

Fast same day parts
shipment to your door
via UPS.

GUS FARM EQUIPMENT, INC.



Intersection of
Routes 616 & 214
Seven Valleys, PA
(717) 428-1967



The Time Is Right
The Price Is Right!!

Used Equipment Specials...



USED MODEL CL 30 FORD SKID LOADER

New 30 HP Air Cooled Wisconsin Motor,
All Standard Equipment, Wide Flotation
Tires, 13 Cu. Ft. Utility Bucket, A-1
Condition...

\$6995

USED MODEL CL 40 FORD SKID LOADER

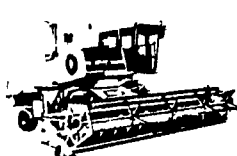
Ford 40 HP Industrial Water Cooled
Motor, All Standard Equipment, 60"
12 1/2 Cu. Ft. Utility Bucket With Teeth,
Sold New June 1980, A-1 Condition...

\$7900



Call Ray, Mitch
or Walt...
(301) 734-7722
or
(301) 879-1434

Sales & Service On:
• Ford • New Idea • New Holland •
WALTER G. COALE, INC.
2849-53 Churchville Rd.
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MF
Massey Ferguson

**Announcing Massey Ferguson Price Rollback
on all MF equipment. 30% on new MF 4000
series tractors. 20% on all other new equip-
ment with 13.9% two year financing or
waiver of finance charges on eligible MF used
equipment during the month of
November. Don't wait. Discount will be lower
after Nov. 30.**

NEW EQUIPMENT

MF 245 diesel, 8 speed
MF 255 diesel, multipower
MF 265 diesel, multipower
MF 154-4 diesel
MF 184-4 diesel
MF 540 diesel combine
MF 850 & 860 diesel combines

MF 1143, 1144, 1163 corn heads
MF 4880 diesel tractor
MF 13' and 15' tables and Ull reels.
MF 43 and 880 plows
MF 129 chisel plows
MF 226 and 227 snow blades

USED EQUIPMENT

MF 750 & 760 combines w/heads
2 MF 135 tractors
IH 574
Bobcat Model 700
Melrose skid loader
JD 4020 Tractor
Allis Chalmers WD 45 tractor

MF Super 92 combine
MF 82 Combine gas w/10' grain head and 2 row corn head
Case 1160 combine
NH 285 baler
Ford 520 baler
MF 510 diesel combine

We Service All Makes Of Equipment

Large Inventory of New & Used
MF and NH Equipment

**ABRACZINSKAS
Farm Equipment, Inc.**

RD 1, Catawissa, PA.
717-356-2323
(south on Rt. 42)



USED EQUIPMENT

TRACTORS

MF 65 Gas
JD 520
IH 340
JD 70 Skid Loader

CORN PICKER

IH 1-PR Picker

FORAGE WAGONS

Gehl #610
NH #8 Wood Box
NH #8 Steel Box
JD 216
Badger 16' w/Tandem
Axle
Bale Wagons (3)

MISC. EQUIPMENT

Haban Corn Sheller
Hesston Tank
Spreaders
NH 512 Spreaders
JD 737 13' Rotary
JD 2450 7-Btm. Plow
AC 3 pt. 16" Plow
IH 3 btm. Fast Hitch
JD 350 5 Btm Plow
JD 225 Offset Disk
JD 110 12' Disk
JD 346 Baler
w/Thrower
NH 277 Baler
w/Thrower

**SUPER SPECIAL
NEW GT 370 DRYER
\$7850.00**

Picked Up At Pikeville

NEW EQUIPMENT SPECIAL

Hesston 1090 Mower Cond. ... \$4900.00
Hesston 2000-100 Harvester
w/Pickup ... \$7500.00
Hesston 1070 Mower Cond. ... \$4500.00
Allied 6x35 Auger No Motor. ... \$1175.00
Allied 8x51 Auger P.T.O. ... \$1975.00
Badger 2300 Vac. Manure Tank \$6995.00
JD 465 Flail Spreader ... \$3975.00
JD 1710A 11' Mulch Tiller ... \$5500.00
JD 1100 3 pt. 10' Field Cult. ... \$1150.00
ALL ABOVE NO TRADE PRICES

PIKEVILLE EQUIPMENT, INC.

R D. 2, Oley, PA
Phone. 215-987-6277
Berks County's Full Line John Deere Dealer -
Serving the Oley Valley 45 years 1936-1981

USED TRACTORS

JD 4040 90-Hp, PS, 11 Hrs., Like New
JD 2840 80-Hp, 200 Hrs., R. Bar, Like New
JD A, Wide Front - Hyds.
Farmall MD Tri. Front - Good
Ford 9N - Runs Good, Newly Painted

USED EQUIPMENT

JD 4400 Combine, Loaded, Excellent Cond., with
All Extras, Choice of Heads - \$18,000
NH 469 Haybines
Lamco 18 Ft. Bale Wagons
2-JD 346 Wire Tie Balers w/Throwers
NH 275 Baler w/Thrower
Lilliston, Woods Rotary Cutters

NEW EQUIP. IN STOCK

JD 4420 Combine, 4 Row Cornhead & 13' Flex
2 Wheel & 4 Wheel Drive Tractors
Combines, Balers, Disks, Rakes, Choppers, and
Skid Steer Loader!

**NEW
LEFTOVER!**

**BEHLEN FXL-15
865 Bu. CORN CRIB
Special \$725 F.O.B.**

• One Dollar Per Lb off on JOHN DEERE
SNOWMOBILES!



**SPERRY
NEW HOLLAND**

• Full Line of NH & JD Equipment...
Extended Waiver of Interest And Price Protection
Available on Most New Machines!

KERMIT K. KISTLER, INC.

Rt. 143, Lynnport, PA 18066
PH: 215-298-2011

ATTENTION!

We have received the new
#1 IH 5088 tractor
Please stop in to test drive

NEW EQUIPMENT

Call for Prices

Gehl 360 skid steer loader
Gehl 1600 round baler
IH 425 baler w/thrower
IH 1190 mower-conditioner
IH 200 2 row, 3 pt. cultivator

USED EQ. SPECIALS

Ford 740 tricycle w/Johnson loader.
Reg. \$1975 Special \$1650
JD 4020 diesel, wf, 38" rubber,
Reg. \$11,800 Special \$10,200
IH 990 mower-conditioner
Reg. \$2250 Special \$1850
AC 303 baler w/thrower
Reg. \$1550 Special \$1295
IH 715 combine
Reg. \$17,500 Special \$15,900

USED EQUIPMENT:

766 Tractor	\$12,400
1066 tractor	\$13,800
2001 loader	\$650
IH 550, 5 x 16 plow	\$1250
IH 4x14 trail plow	\$375
JD 12' Mtd. Vibra Shank harrow	\$1550
IH 400 Cyclo 4 row planter	\$3450
IH 400 Cyclo 4-row planter	\$2975
IH 400 cyclo 4-row planter no till	\$2750
Pincor alternator with trailer	\$1495
IH 403 combine, 4 row corn hd., 13' platform, hydro. drive,	\$9,500 ~~\$11,000~~
IH 470 19' Disc Harrow w/mulcher	\$2500
Fox blower	\$750
468 4-row cultivator	\$850
2 A-Hay Crusher	\$95
IH 15 rake	\$635
NH 770 forage harvester w/2 row narrow row hd. & pickup hd	\$4000
#10 hoe drill	\$1950
#10 single disc drill	\$2300
Arts-Way grinder-mixer	\$1375
Bale wagon	\$795

INCH EQUIPMENT CO.

Dalmatia 717-758-3021
717-758-6491
35 miles North of Harrisburg, PA on Rt. 147



INTERNATIONAL
AGRICULTURAL
EQUIPMENT

• UPS Service
Available

**USED
EQUIPMENT****PARTS FOR SALE**

**IHC 815 Diesel Combine
Massey 510 Gas Combine**

**CASE 1490 Powershift Tractor
w/250 Hrs.**

Farmall 706 with 291 gas engine, 2350 mount-O-
matic loader
Int. 1456 w/dual PTO's and 23.1x34 rear tires, new
clutch and TA runs excellent
Brand New 1086 Tractor \$28,000
IHC 84 Hydro Tractor w/50 hours
Farmall 756 Gas Tractor, new motor
AC 200 Tractor w/2100 hrs 1 owner
JD 5' Flail Chopper
NI Cut/ditioner
IH 315 Combine w/2 heads
IH 715 Combine
Uni 710 Combine w/13' Platform, would separate
NI 319 12 roll mounted picker
NI 2 Row Pull Type Picker
JD 5460 Chopper, 490 hrs 4 Wheel Drive
Int. 234 Mounted Picker
Sm. Continuous Flo Grain Dryer

CORN HEADS

IHC 429N for 503 combine, excellent
2 Row Heads for Gleaner K or E III
NI 725 3 Row Narrow Corn Head
Massey 4RN 43 Head

RAYMOND B. LEAMAN

Willow Street RD 1, Ph Lancaster 464-2778
Midway between Lancaster & Quarryville
off Rt. 222 take Brenneman Road
at Graybill Bros Garage, Refton

**HERR & LEAMAN**

Used Farm Equipment Sales & Service
10 miles S. of Lancaster along Rt. 222

GUARANTEED**QUALITY USED EQUIPMENT**

Would Sell Any Tractor w/o or w/cab IH tractors
w/3 pt. or fast hitch
IH 1206 WF dual pto, 3 pt. new ta
IH 806D Clean local trade in
IH 1256 w/cab & air, nice, clean, original tractor
1968 JD 3020 D, 600 hrs on overhaul, 16 9x38
rubber, roll bar canopy
IH 856D cab **SOLD** fully equipped 2900 hrs sharp &
original
1970 JD 3020 D Side Console 38" rubber Clean
local tractor
IH 826 gear drive, very clean, fully equipped
IH 1066 w/yr round cab new rubber, TA & clutch,
new last fall Local tractor
IH 966
IH 706 **SOLD**
Farmall M with wide front
Oliver 1850 diesel, Perkins (100 h p), wf, 3 pt
IH 856 diesel, wf, 38" rubber, 3 pt., clean
ACD17 gas, clean
MF 300 quick attach combine w/cab & air, very
clean, 3 row narrow w/13' platform & pickup
reel
IH 715 hydro, 4 **SOLD** narrow hd., 13' platform
\$8500
Gehl 3000 skid loader w/3 buckets, 360 orig hrs,
w/electric clutch shut off
IH 35 hyd. driven hay rake
NI 744 4 row narrow quick tach
NI 728 4 row nar **SOLD**

MISCELLANEOUS

2 cabs w/air to fit IH 06 to 56 series tractors \$700
\$800
IH heavy duty wide front **SOLD** 1456 will fit any 06
to 56 series
New Aerovent high speed crop dryer model XL927,
LP gas \$600
IH & JD rear & front weights
18 4x34 axle mount duals w/hubs for IH, \$500
(2) 18 4x38 axle mount duals
16 9x38 snap on duals
16 9x34 axle mount duals
Year round cabs to fit IH 06 to 66 series
Heavy duty custom made wood splitter w/12 horse
Wiscon: in engine, \$1000

Box 91 New Providence, PA. 17560
Ph. 717-786-1606 &
Evenings 717-786-4899

FARM EQUIPMENT**FARM EQUIPMENT****FARM EQUIPMENT****Hollinger
tractor co.**

749 Rothsville Rd. Lititz, Pa. 17543
717-626-1120 or
Lee Dull (Res) 717-949-3451

CRAWLER LOADERS

JD 450B w/Rops	\$11,500
(2) Cat 955 12A	\$6,500
AC HD 6	\$4,500
JD 440 Dsl, sharp,	\$5,500
JD 420 Gas, as is, needs work	\$2,500
Cat 955K	\$19,500
Int. 175B crawler/loader	\$8,500

BACKHOES

JCB Tractor Loader Backhoe	ea. \$6,500
Case 580C Tractor Loader Backhoe	\$19,500

TRAILERS

New General 3 axle 9 ton Tag Along	\$4850
Patsco 25 ton drop deck, tandem axle	\$4,500
Drop Deck, single axle, good	\$2000
1978 General 10 ton w/tandem axles, like new	\$6,000
Trailmobile 25 ton Lowboy Trailer	

TRUCKS

1972 Ford 10 wheeler dump diesel	9,000
B-61 Mack Dump Truck	
Int. 1973 2070A Truck Tractor Diesel	

RUBBER TIRED PAYLOADERS

Hough 30	\$6,500
----------	---------

ROLLERS

Rosco, Vibratory	\$2,500
------------------	---------

MISCELLANEOUS

(2) Winch to put on truck-tractor	Make Offer
Riding Sweeper	\$950
Int. 57 Log Skidder	

NI 325-326, 8 roll
narrow row corn
picker
NI 737 Husking Unit
AC F440 Corn Head
NI 744N Corn Head
AC 170 Gas Tractor
AC D17 Gas Tractor
NI 702 Diesel Power
Unit

ROY H. BUCH INC.
Ephrata
717-859-2441

**NEW HARVESTERS**

Field Queen 7655 Side
Dump
Fox 6650
Fox 6354
Fox 3310
NI 708 Uni w/717
Combine
Hesston 30B Stacker
Allen 20' Hyd. Rakes

USED TRACTORS

White 2-70 w/Cab &
Loader
Oliver 1850 D
White 2-62 4 Wheel Drive
JD 2510 Gas
Ford NAA w/loader
Ferguson 20 w/Sauder
loader

USED HARVESTERS

**FIELD QUEEN
SIDE DUMP,
Cat Engine,
3 Row
Head & Pickup**

NH 1895

Forage Harvester,
4 Wheel Drive,
3 Row Auger
Head and Pickup,
283 hours
Excellent

NI 702 Diesel Uni
NH 890 3R & Pk. Up.
Gehl Recutter Blower
IH 715 Combine, 13'
grain & 3 Row Corn
Head

Fox 3310

Fox 3000 Ex. Cond.

USED SPREADERS

NI 224 10 Ton

NI 218

NI 214 & 213

USED EQUIPMENT

Hesston 4800 Big Square

Baler

Fg. Wagons, J.D., AC,

Grove, NH, Dion

Hesston Stackhand 10

Fox Blower

NI 728 4RN Head

Gehl 6' Rotary

JD 7' Rotary

White 5400 6R No-Till

Pltr.

IH Cyclo 500 8 Row No-

Till Planter

AC 6R Liquid Planter

w/No-Till

AC 15' heavy duty Sgl.

Fold Disc

JD 28 Disc Harrow

NI 323 1R Picker

JD 224 T Baler

JD 24 T Baler

Hesston PT10 Win-

drower

NH 479 Haybine

NI 272 Cut/ditioner

Hesston 320 SP Win-

drower

Hesston 1014 Hydro

Swing Windrower

SS9 Glencoe Soil Saver

NI 710 Combine

Hawk Bilt 2155 Roll Top

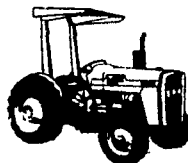
Better-Bilt Hi-pressure

Vac. Pump

Kools Recutter Blower

STOLTZFUS**FARM SERVICE**

Cochranville, Pa.
215-593-2407



**20% PRICE ROLLBACK
IN NOVEMBER ON
NEW & USED EQUIPMENT**
Also Waiver or 13.9 Percent
APR Financing

TRACTORS & EQUIPMENT

IH 154 Cub Low Boy Tractor w/Mower	Fox 1000 Forage Harvester
IH 340 Farmall Tractor	NH 451 Mowers
MF 3165 Tractor w/Loader & Cab	(3) NH 36 Crop Chop per
MF 203D Tractor w/Loader	NH 270 Baler w/thrower
MF 1085 Tractor	NH 269 Baler w/thrower
MF 205 Diesel Tractor w/Loader	NH 1010 Bale Wagon
MF 40 Dsl Tractor and Loader	MH 35 Combine
MF 35 Tractor	MF 750 Combine, 14' Grain Table & 44 Corn Head
Ford 641 Tractor w/Loader & Bucket	Brillion 12' field cultivator
Farmall Super H Trac- tor	NH 510 Manure Spreader
JD MT Tractor	NI 213 Manure Spreader
Ford 8N Tractor w/loader	AC Blower
NH 892 Fg Harvester	AC 516 Plow

NEW M.F. EQUIPMENT

MF 275 Tractor	MF 32 A Loader
MF 245 Tractor	MF 246 Loader
MF 265 Tractor	(2) MF 216 Loader
MF 230 Diesel Tractor	MF 300A Loader
MF 220 Tractor	MF 640 Corn Planter
MF 210 Dsl Tractor	MF #43 2B Plow
(2) MF 205 Diesel Tractor	MF 520 Disc Harrow 12'
MF 50C Tractor	MF 520 Disc Harrow 14'
MF 30B Tractor Cab	(2) MF 320 Disc Har- rows
MF 30B Tractor	MF 226 Scraper Blade
MF 20C Tractor w/Loader	MF 227 Scraper Blade
MF 124 Baler	MF 218 Rotary Cutter
MF 34A Loader	
MF 34A Loader	

**S.G. LEWIS
& SON, INC.**

R.D. 2 Box 66 West Grove, PA
215-869-2214

FARM EQUIPMENT

For Sale Int 806 diesel, wide front, 3 point, 18 4 38 rubber, good condition \$7500 Berks Co 215 683 5283 Eves

Harvestore 50' belt feeder with 4 lot control Used one year Wayne Co 717 224-4310

FARM EQUIPMENT

Wanted to buy - high clearance tractor with hyd minimum 27" under axle, adjustable to 72" between wheels Call Woodlea Nursery 516 878 1434 between 9 a m and 4 p m weekdays

FARM EQUIPMENT

Cole/Planet Jr. Complete line of vegetable drills seeders, tool bars, attachments & parts Wholesale & retail sales, Dealer Inquiries invited Roorks Farm Supply, RD 3 Highway 77, Elmer, NJ 08318 609 358 3100

NH 510 Manure Spreader
JD 160 Bushel Spreader
(2) NH 365 Tank Spreader
SHOVER'S
Loysville, PA
717-789-3117

FOR SALE

8 KW PTO generator on wheels, \$950
Schedule 80 PVC pipe 3" & 4" Victaulic couplings.
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FOR SALE

JD 7700 diesel combine, 30" 643 corn head, 16' grain head, Hume reel, straw chopper & spreader. Very good condition. JD 105 gas combine air, 4 row, 435 corn head. 13 1/2' grain head, Hume reel, straw chopper & spreader. Motor overhauled. Very good condition.

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CROST WATERS

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IH 706
AC 180 w/loader
AC 5050 w/loader
(2) AC 7000
White 2-105
MF 165 w/loader
MF 20 Tractor/Loader
JD 4020

SKID LOADERS

NH L-35
NH 775 Gas
NH 425 Rental

MOWER

CONDITIONERS

NH 1489 w/Ford engine
NH 495
(2) NH 279
(2) NH 479
NH 478, Excellent
(2) NH 1495 12' SP

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NH 1895 w/4R Head
NH 880 w/2RW & WPU

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NH 320 w/thrower
NH 268 w/thrower
NH 289 w/motor
NH 273 w/thrower
NH 275 w/thrower
AC 303

MISCELLANEOUS

NH 1000 Bale Wagon
NH 1012 Bale Wagon
NH 1010 Stack Line Wagon
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Farmhand F85B
Grinder-Mixer
Vicon Disc Mower
NI Rake
NH 36 Crop Chopper
(2) NH 258 Rakes
JD Elevator
NH 155 Elevator

CORN PLANTERS

AC 600 4R w/dry fert.
AC 600 4R w/liquid fert.
AC 6R no-till
JD 1400
IHC Cyclo
White 6 Row No till

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NH 382 Tank
NH 365 Tank
NH 368 Tank

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AC All w/2R & 3R w/10' Platform
NH 995 w/15' Platform
JD 105 w/444 Corn Head & Grain Head

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Series 84 Utility Tractors

42 to 72 PTO hp

Choose your power from six Series 84 utility tractors, including one with exclusive IH hydrostatic drive. All with quick, easy-handling and responsive power for a wide variety of jobs around your farm or ranch.

- IH multi-range diesel engines with deep lugging ability and proven performance.

- Synchronized speed (8F/4R) transmissions with fast "in-line" shift, standard.
- Torque Amplifier transmission with 16F/8R speeds, available on largest models.
- Hydraulic disc brakes, Dyna-Life® clutch, planetary final drives, power steering, 3-point draft-sensing hitch.



Finance plans available.



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84 HYDRO with 2250
MOUNT-O-MATIC LOADER

Now Only \$17,790⁰⁰

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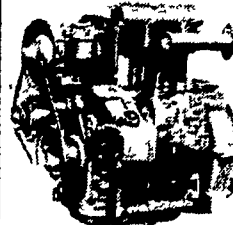
R.S. HOLLINGER & SONS

113 W. Main St., Mountville, PA
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HOURS: Mon.-Fri. 7 to 5:30
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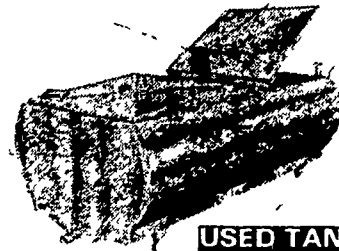


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They
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OF FUEL?
GO WITH
MURPHY
AIR-COOLED
DIESELS -
20 HP to 112 HP

MUELLER BULK MILK TANKS



USED TANKS:

(2) 300 Gal Girtons
400 Gal Girtion
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FRICK, COPELAND and
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★ 24 HOUR REFRIGERATION SERVICE ★ NEW PHONE NUMBER 717-768-7118

GOOD USED EQUIPMENT SPECIALS

Check Each Item, Then Stop By or Call
Binkley & Hurst Bros.

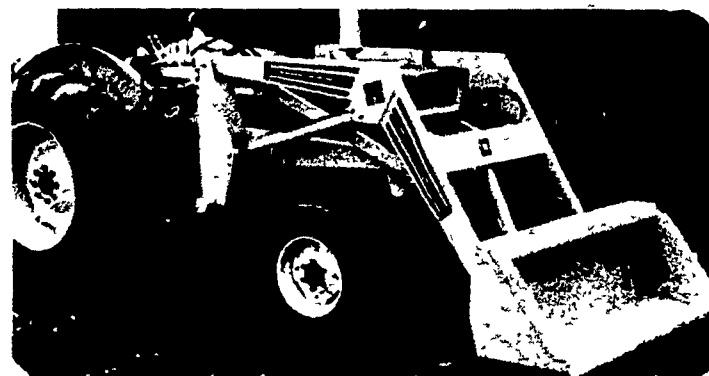
- ★ Gehl 120 Mix All, hy. drive w/digital scale
- ★ New Idea 213 PTO Manure Spreader w/end gate
- ★ IH 2-16 bottom rollover Spring Trip Plow
- ★ J.D. Ground Drive Pull Type Hay Rake
- ★ New Holland Hay Pick Up Model 707
- ★ JD KBA 9 ft. Disc Harrow
- ★ MFS 8x60 PTO Grain Auger
- ★ JD 2 Row Corn Planter w/insecticide hopper
- ★ MF 13 1/2 ft. Transport Disc, Medium Duty
- ★ IH Model 311 3-16 Spring Trip Plow
- ★ Sauder Front Mt. Snow Blade, 7 ft.
- ★ JD Model 350 6x15 Hy Reset Plow
- ★ Hesston PT 10 Haybine
- ★ NH 68 Baler w/Thrower
- ★ IH Model 990 Mower Conditioner
- ★ Brillion 10' Transport Harrow
- ★ AC 4-16 Mono Frame Plow
- ★ IH 9 Tooth Chisel Plow
- ★ Ford 2 row Corn Planter
- ★ Ford Pull Type 14 ft. Field Cultivator with extension to make 16 foot, built by Glencoe
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- ★ Sauder Loader Model D2 with fork & material bucket

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DUNHAM LEHR LOADERS



Bought At Old Prices So You Can Save!

2 & 22 LOADER

- Two rugged loaders fit 90% of all tractors made in the last 20 years.
- Pickup this loader and mount on your tractor and save.

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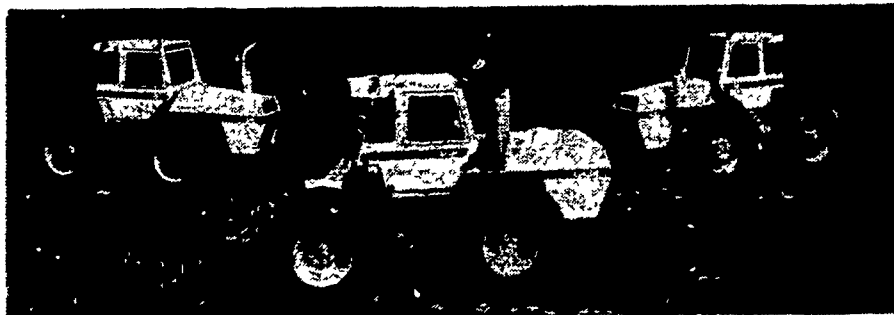
**It doesn't pay to lease when you get a
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PLUS...Big Trade-In Allowance...Trade Up Time Is NOW!

**IT IS IMPORTANT TO READ THIS AD
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PREFER CASE 4 WHEEL DRIVE
TRACTORS THAN
ANY OTHER BRAND**



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Model 4690:
256 eng hp* (191 kW),
PTO 219 hp* (163 kW)

Model 4890:
300 eng hp* (223 kW),
PTO 252 hp* (188 kW)

Model 4490:
213 eng hp* (158 kW),
PTO 174 hp* (130 kW)
*mfr's ratings

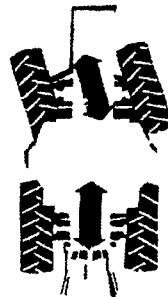
CASE IS #1 IN 4-WHEEL DRIVE TRACTOR SALES



Only from CASE: FINGERTIP STEERING SELECTION AND AMAZING ELECTRONIC SENSING

Flick... flick... flick! As easily as you'd operate a light switch you can switch on-the-go from front to rear to coordinated to crab steering. When you switch to front steer, rear wheels center automatically.

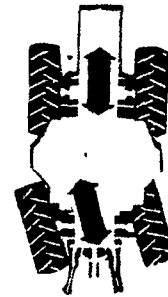
**Case Steering is Not Like The Others...
More Like Your Easy Handling 2-Wheel Drives**



FRONT wheel steering. Automotive-style control. Ideal for row crops, most field work, road travel



COORDINATED steering. Rear wheels and front wheels are electronically coordinated for sharp, full power turning



CRAB steering counteracts drift on sidehills. Controls implement overlap. Makes four tracks (eight with duals) for maximum traction

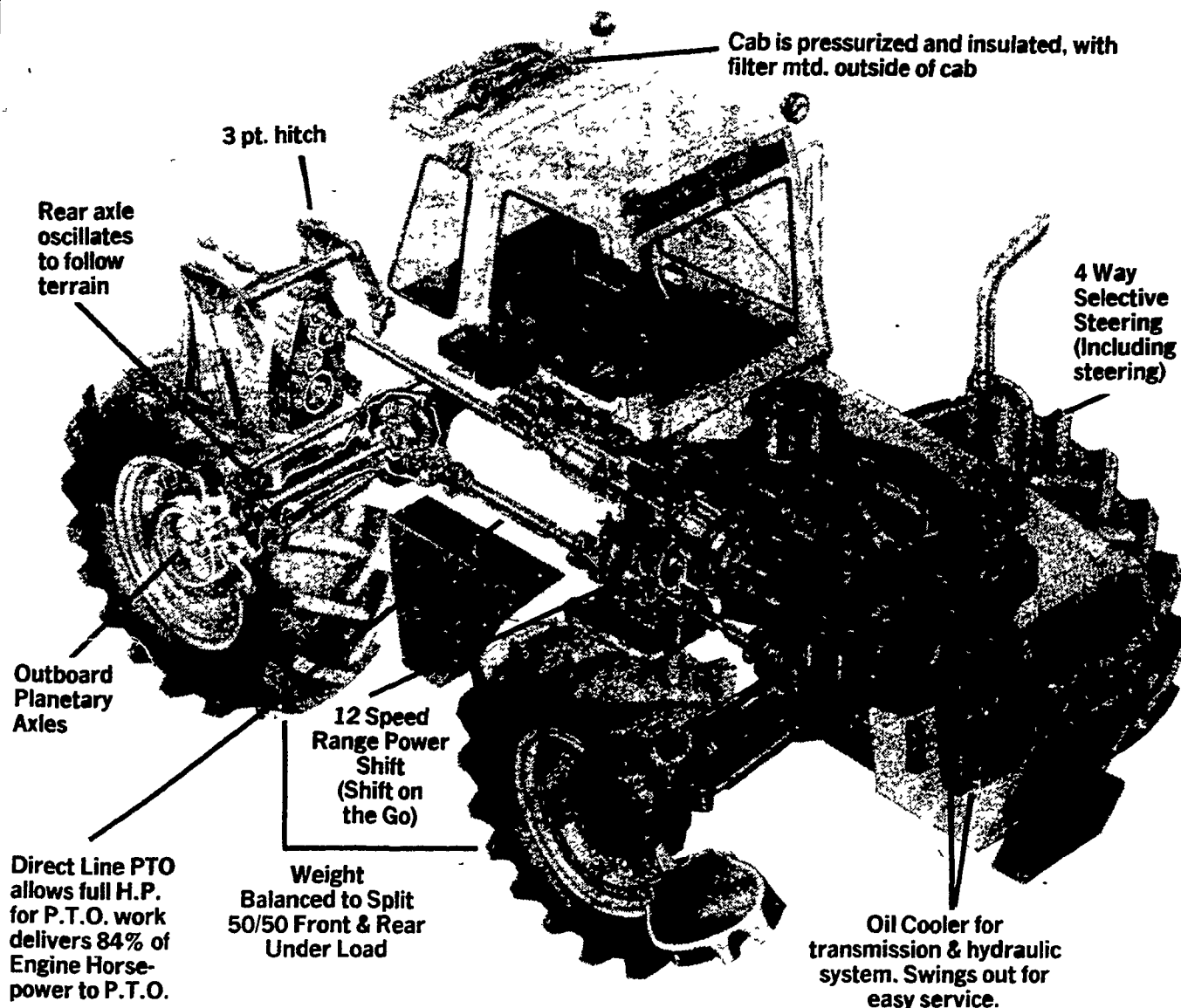


REAR wheel steering with electronic rocker switch "fine-tuning" makes implement hook-ups much easier. Great for maneuvering around yards and buildings

If You Don't Think 4-way Selective Steering Makes a Difference You Haven't Test Driven a CASE 4-WD Tractor

1. On the go power-shift transmission = no power loss. Standard in all 4-wheel drive models.
2. PTO shaft to utilize full engine horsepower without a safety cut off switch.
3. The best visibility on the market - sit in our cab and see for yourself.
4. 3 point hitch with quick coupler.
5. More horsepower to the drawbar for your fuel dollar.
6. 2 wheel drive steering for corn planting, cultivating & row crop work.

WE DARE YOU TO COMPARE



**BEFORE YOU BUY OR
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TRACTOR, FIND OUT WHY
MORE & MORE FARMERS
ARE SWITCHING TO CASE
FROM BINKLEY &
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Here Are Just A Few Reasons Why:

1. We service and sell in Eastern Pennsylvania, New Jersey, portions of New York, Maryland and Delaware as a tractor specialist.
2. Free loaner: Case Company sponsored assured availability Stand-By Program which is very seldom used, but gives peace of mind.
3. Case On-The-Go Power Shift Transmissions are standard equipment which does not rob horsepower which other automatic transmissions are noted for.
4. Case 4-wheel drives are not just pullers, they furnish PTO horsepower, utilizing full engine horsepower. 3 pt. hookup, just like your 2 wheel drive. Up to 4 hydraulic remotes. Solid frame steering, just like your 2 wheel drive, does not bend in the middle.



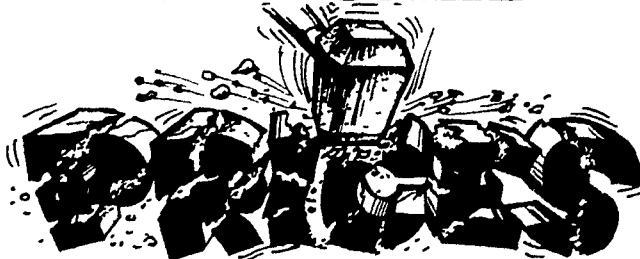
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Good Used 530 Gas Backhoe and Loader
TRACTOR
with mechanical forward and reverse shuttle. Good tires, 24" trenching bucket, ideal for farm work, etc.



1 Only **\$5900**

Additional Discount for Buying As Is and You Haul away



Case 1175 Diesel Tractor, cab, air, heater, 18.4x38 radial tires, 1875 hrs., 127 hp. 540-1000 PTO
\$15,800

M.F. Model 85 Diesel



- Approx. 62 H.P.
- 3600 Hrs.
- Good Running Condition
- With Sauder D2 Loader manual dump with Ford and large material scoop

1 Only **\$3980.00**



Allis Chalmers Model 7050 Diesel
Cab, Air, Heater, late 1974 Model Approx 156 HP, 20.8x38 Power Adjust Rear Tires and Rims, Approx 45% tread 11 00x16 front tires, good condition Approx 2400 hrs shown on meter, Good Paint, front frame with 7 weights, Dual Hydraulic remotes, 1000 PPM PTO, Power Director Transmission We serviced engine oil and filters when traded Note National Farm & Power Book Value on this tractor is \$18,653 with Cab, Air, Heater. Come and Buy as is and make your own kind of a Deal Now at a Price you like!



2 Wheel Versatility, Only Case offers this on their 4 Wheel Drive Tractor. Check with us, we'll show you why New Demo in Stock

CASE 4690 4 WHEEL DRIVE

261 HP, loaded with all the extras Serial #08858467. 1 Only. Call for your attractive Deal! Big Trade-In Allowances Now Means a Deal You Can Hardly Believe



Mechanic's Special Case 995 Diesel Tractor

Rated at 58 HP 1976 Model, needs minor repair plus some 3 pt. hookup linkage, approx. 1,300 Hrs original, Buy as is

\$6,580



Case David Brown 1200 Series

65 HP Rated Diesel engine, 1967 Model, 18.4x30 rear tires on power adjust rims, approx. 3431 hrs., still going strong, trade in on this unit or buy as is and let us see what we can do for you! Serial #702764



Case David Brown Model 1212

4 speed on the Go Power plus 3 ranges (Unbelievable Power Shift), Turbo Charged Diesel engine with approx 75 HP, approx. 1145 Hrs., Engine completely majored, Power adjust rear wheels with 18.4x30 tires. Tractor in fair to average condition Regular price \$6,500. Come and buy as is and save a bundle



Oliver 550 Gas

3 Pt Hookup, 12 4x24 rear tires, like new, approx 1958 Model

\$1,960

SPECIAL SALE!

ALL USED TRACTORS

Come and Make Your Deal!

- ★ NOTE: SPECIAL FINANCING TERMS AVAILABLE NOW!
- ★ Waiver of Interest until June 1, 1982 on used Ag Tractors Sold During Our Special Sale.
- ★ Timing of This Offer is November 1, 1981 till Nov. 30, 1981, So Act Now & Get the Tractor of Your Choice.



M. Moline Jet Star 3

Approx. 45-50 HP with Ampli Torque TA 2 speed automatic shifter, tires about 20% tread, with Hydraulic loader, wide front power steering, runs nice Regular Price \$2,885. Special Sale Price

\$2,226

with loader included

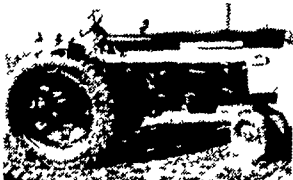


Massey Ferguson Model 1135 Diesel Turbo

300-400 Hrs, since complete overhaul by M.F. Dealer including New Clutch 18.4x38 rear tires approx 50% tread Cab with fans, weight frame with front weights, 1973 model Rated at 120 HP. Good Condition, Field Ready

\$14,800

Come and negotiate



Farmall Model 460 Gas

with good TA Shift, fast hitch 2 Pt., New Clutch, Brakes, 1 set of Hydraulic remotes, good seat, 15.5x38 rear tires, 70% tread In good running order. Priced at

\$2,500



Farmall 350 Tricycle Gas Tractor

Good TA shift, fast hitch with Pitmanless mower. Belt driven type, runs nice

\$1,850



Like New! Only \$80 Original Hrs

Case 43 HP Model 885

Fuel efficient Diesel Engine with 540 1000 PTO Shifter, 13.6x28 rear tires, front weights, 3 Pt Hookup. New Price \$12,800 Our Special Sale Price on This Unit is Only

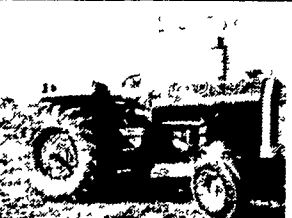
\$7,850



John Deere 630 Case

Tricycle type with Power Steering, 3 Pt. Hitch, 13 6x38 rear tires Approx 50% tread

\$2,950



Massey Ferguson Model 1135 Diesel Tractor

1973 Model, 18.4x38 Deep Lug Firestone Rear tires, 11 00x16 front tires, Nice Condition Dyno. check at 140 HP A good clean tractor.

\$12,300



Case 530 Gas Draft-O-Matic

3 Pt Hitch, Power Steering, 4 Speed Transmission with 3 speed Triple Range, foot clutch and hand clutch for independent PTO, hand throttle and foot throttle, good rear tires, like new 7.5Lx15 front tires Ready for work. Best offer Buys this Tractor, Don't Wait!



IH Model 574 Utility Tractor

1974 Model, 16 9x28 Rear tires about 60% tread, 540-1000 PTO, 2460 Hrs approx, in average condition with Heavy Duty Fontanna Loader with single lever controls, large Material Bucket Loader Season is Coming. Come and Deal! Asking Price

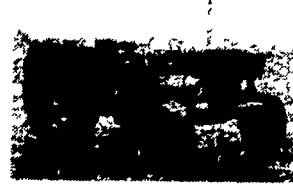
\$7,480



NEW GEHL MODEL 4500 HYDROSTATIC SKID LOADER

With Ford 4 cylinder gas engine, self leveling loader, 10 00x16 5 tires, 40 H.P., 65" wide bucket, T bar control, 1 only

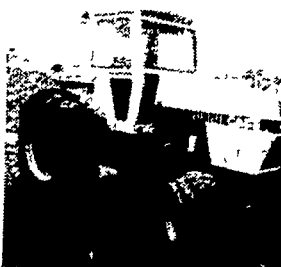
More For Your Money Than Ever Before!



Deutz Model 100-06 Diesel

1972 Model, approx. 3713 Hrs., runs nice, 18.4x38 Goodyear Power Torque tires about 90% tread, single hydraulic remotes, 12 speed trans., 540 PTO with Shifter for 1000 PTO Ready for work at

\$8,950

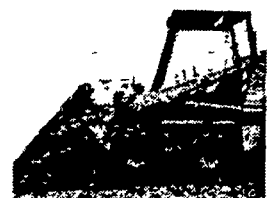


Buy Late Model Used and Save Money

Case Model 2090 Diesel Tractor

Cab, Air, Heater, On The Go Power Shift Transmission, 20 8x38 rear tires, Dyno. checked at Approx 120 HP, front end weights, 504 cu in Diesel engine. Ready for Work.

\$22,900



Owatonna Compact Diesel Power Skid Steer Loader

Model 310, 600 lb lift capacity, approx. 42" wide bucket and manure fork, 23x8.50-12 flotation tires, manufactured between 1978-1980

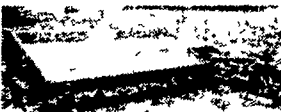
\$3,950



IH Model 1600 Loadstar

With 345 V8 engine, runs good, 5 speed trans & 2 speed rear axle, 8 25x20 tires, 16 ft. flatbed, diamond plate steel over lay floor, twin cylinder telescopic hoist dump

Only **\$4,850**



NEW IDEA CUT-DITIONER MODEL 272

7 ft Cutting Width

\$1,450

Ideal In Corn Fodder

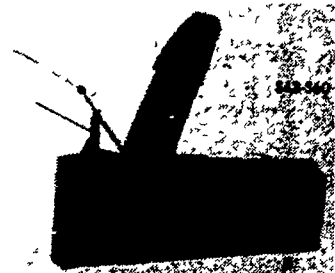


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SNOW BLOWERS
Built In The Snow Country
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Save Now By Buying Early.
Leftover at old Prices, 3 pt.
Hookup.

Model	Harrower Range	Cutting Width	Cutting Height	Price
S-80	12-30	60"	23"	\$1009
S-885	40-70	81"	34"	\$1515
S-85	40-65	85"	27"	\$1368
S-766	45-70	87"	34"	\$1617



THEY ARE
GOING
FAST:
GET
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Sizes
In
Stock:

6"x34' long
6"x53' long
8"x27' long
8"x34' long
8"x46' long
8"x65' long
10"x41' long



Frouheuf Fifth Wheel Trailer

- Air Brakes • 25 ton capacity
- Beavertail
- Tie Down Rings
- Length with Beavertail not including area over fifth wheel is a total of 17'6"

1 Only **\$1,800**



NEW CASE 1845 UNI-LOADER

- Demo
- Hydrostatic drive
- 45 hp diesel engine
- Water-cooled 4 cylinder Case engines
- Self leveling loader
- ROPS, parking brake and tool tach-standard
- 12.00 x 16.5 flotation tires
- Large 80" wide material bucket
- Serial # 9851348

IN STOCK,
1 ONLY **\$14,850**



NEW AMCO TANDEM DISK HARROW

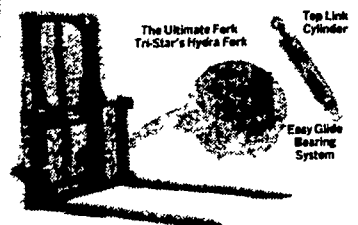
- Front & Rear Gangs Double Offset
- 12 ft. wide cut w/Rock Flex Bearing Hanger
- 22x1/4 Thick Blades • Heavy Duty

1 Only **\$4,518.00**



Hidden rocks? Optional Shock-Sorb gets you around the problem! Spring steel "shocks" provide the give that protects blades against rocks and other underground obstructions. Helps keep you plowing ahead! Feather disk standard on rear gangs

Tri Star Round Bale Stacker



Adjustable Tine Width Makes It
Ideal For Moving Anything

- MODEL HF-70:
- Lifting Height: 5'6" to 6'
- Adjustable tine width 5" to 44"

\$956



IH 990 9 FT. HAYBINE

Only used approx. 175 acres,
1 rubber roll, 1 steel roll,
equipped with electric
windrow placer.

Original Price was: \$3,050

NOW **\$2980**
So Buy Now!

SAVE MONEY NOW on a NEW HAYBINE

For Next Spring!

- Save by locking in old price with a no interest plan till May 1, 1982.
- This is one way to beat the 10% price increase.

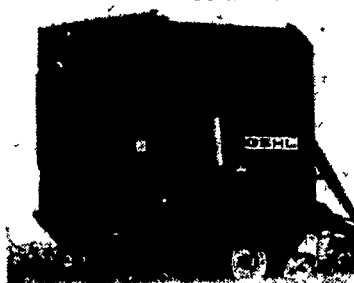


MODEL 1070, 7 FT.
With Heavy Duty Knife
Guards. Full float machine
with inexpensive knife
guards. You'll like it.

Trade
\$4700 Up Now!

Bale Corn Fodder Now! GEHL 1850 & 1450 ROUND BALERS

- In Stock, Ready to Go
- Buy Now, Pay May 1, 1982
- We Take Trade-Ins



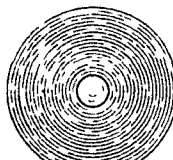
1850
For making large round bales in the 2000 lb. plus category the 1850 is your baler. It makes bales that are a full 6 feet in diameter and 61 inches wide. It's truly the heavyweight among round balers.



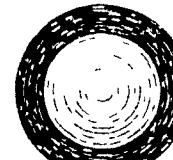
1450
The 1450 is the perfect partner for custom operators making bales in the 1000-pound range that are 5 feet in diameter and 48" wide. It's the baler to be stacked two-wide on a trailer.



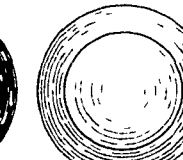
SMALL CORE
HIGH DENSITY WRAP



SMALL CORE
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LARGE CORE
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LARGE CORE
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"air-draulics" The Simple System

Air pressure controls the formation of the bale core. The actual size of the bale core is determined by the placement of an easily adjustable hydraulic triggering mechanism. Once this trigger is activated hydraulic pressure takes over to control bale wrap. The hydraulic pressure maintains constant belt

tension on the bale. Lower the pressure for less densely wrapped bales. Increase it to get densely wrapped bales. Either way, you'll get uniformly shaped bales that will stand up to weather, retain valuable nutrients.

Good Used Dunham
10 FT.
CULTIMULCHER
Special **\$1325**

MF 13 1/2 FT.
TRANSPORT
DISK HARROW
\$1980

Almost New!
WESTENDORF
MODEL WL-42
Heavy Duty Quick
Attach

FRONT END LOADER
With Large Material
Bucket and Mounting
Brackets to fit MF
Model 175 Tractor

This loader has 3" dia. lift cylinders and is designed for up to 100 H P Tractors. Also has quick tach bucket on and off. Lift up to 12 1/2 ft. high. Also has 2 spool control valve with hoses.

New Selling Price over \$5500
Your Buying
Price On
This Unit Only **\$2800**

USED SKID STEER LOADERS IN STOCK



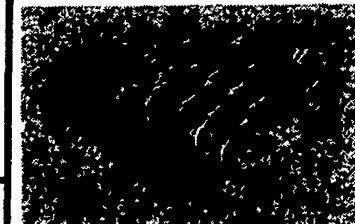
Perkins Diesel Power Engine
Like New
Owatonna 1700 Skid Steer Loader
with auxiliary hydraulic remotes
Ready for work, 45 HP

ONLY **\$6,800.00**

Hydra Mac Model 18
47 H.P. Industrial Ford Engines,
Hydrostatic Drive
ONLY **\$6,900.00**

Case 1816 B
1979 Model, Serial No. 9846416
\$4,250.00

Mustang 1200A
30 H.P., Good Cond



GLENCO SOIL FINISHER SAVE FUEL, TIME & CHEMICALS

- One-pass seedbed preparation
- Now more than ever this new proven machine makes sense
- Model # SF129, set-up, ready to go

1 ONLY - SPECIAL
\$6480.00

New Donahue Implement Carrier Farm Trailer



In Stock, Available For
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8' wide by 28' long. Haul your wide
machinery and round bales etc
1 ONLY **\$2,597**
Less 10% For Buying Now!

Notice: We have Corn Cribbs
in stock at prices you like!
PICK-UP NOW

BEHLEN CORN CRIBBS

MODEL FL 10
Approx. 611 Bushel
1 Only
\$650.00

9 Ton, 3 Axle
TAG-A-LONG TRAILER
Electric Brakes, length of
flat part: 15'6", plus length
at beavertail at 4 feet, fold
up ramps, pin tie type hitch.

1 Only at **\$2,250**

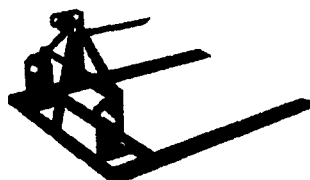
Rake Your Corn Fodder
With A New 3 pt. Hitch
4 WHEEL RAKE
\$535

THE SOUTHEAST LINE

Lift Those 1500 Round Bales With BIG BALE HANDLERS MULTI-PURPOSE HILIFT

(Model HL-200 Wt-160 lbs.)

The SOUTHEAST HiLift is designed to fit a variety of category II implements. When used with a bale carrier, the big bales can be stacked or loaded on trucks. When used with a rear scoop, wagons or trucks can be loaded with ease. The HiLift can be used with any standard Category II implement when a higher lift is desired.

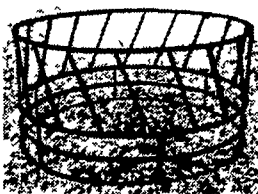


BC-150 3 PT. Hitch Round
Bale Carrier, economically
priced at: **\$192.00**

HL-200
\$261.00

MODEL RF-15 ROUND FEEDER

The SOUTHEAST Round Feeders are ruggedly constructed to give years of feed saving service. Each feeder makes it possible to feed nearly 100% of your big bales to over 20 head of full grown cows. The nearly 100% utilization of feed can more than double your feed dollars.



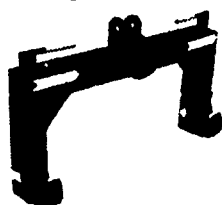
Sale Price **\$130.00**

CATEGORY II QUICK HITCH (Model QH-200)

The SOUTHEAST line of quick hitches feature high strength "square" steel tubing for greater torsional rigidity. The hooks are solid one piece flame cut parts for longer life and greater strength. The hitches are fabricated with extra large gusset plates for added overall toughness.

A Good Heavy Duty Unit for only

\$261.35



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133 Rothsville Station Rd., Lititz, PA 17543 Ph: (717) 626-4705
Business Hours: Mon. - Fri. 7 AM to 5 PM; Sat. 7 AM to 11:30

- ★ Call Before 5 P.M. For Evening Parts Pickup
- ★ We Ship Parts Same Day, UPS Anywhere

SPERRY
NEW HOLLAND

USED EQUIPMENT

TRACTORS

Oliver 770
Oliver 1650
Oliver 1850
Farmall M

HAYTOOLS

NH 268 Baler w/Thrower
NH 269 Baler w/Thrower
NH 270 Baler w/Thrower
NH 846 Round Baler
NH 68 Baler
NH 275 Baler
Oliver 620 Baler w/Thrower
JD 483 Mower Cond
NH 467 Haybine
NH 469 Haybine

SKID LOADERS

NH L-35, 358 Hours

TILLAGE - PLANTING

White 5400 Planter
MM 4-16 HAR Semi Mtd. Plow
JD 1240 4-Row w/Monitor
Ontario 16-7 Grain Drill, 1 Yr. Old
IHC 16' Cart Harrow

FORAGE TOOLS

NH Super 717 w/1-Row
NH 717 Harvester w/1-Row
NH 880 R2-2-Row Head

CORN PICKERS & COMBINES

NI 319 w/12 - Roll Bed
NI 324 2-Row w/12 Roll Bed

SPREADERS

JD 54 Spreader
NH 516 Spreader
NH 346 Tank, Left Hand
NH 362 2 Tank, Left Hand
NH 212 Spreader

NEW EQUIPMENT IN STOCK

WHITE

2-30 Two Wheel Drive
2-45 2&4 Wheel Drive
2-62 Tractor
2-105 Tractor

WHITE

543 6R Planter No Till
5100 6R No Till
WHITE 254 10'4" disc

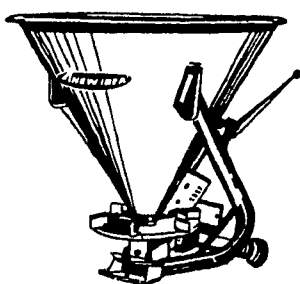
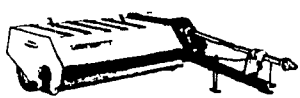
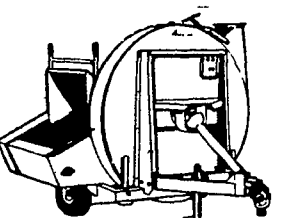
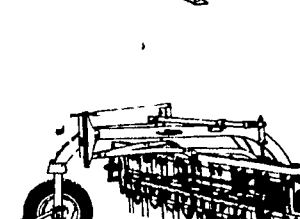
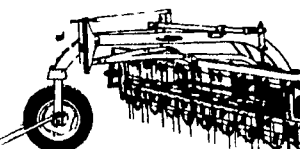
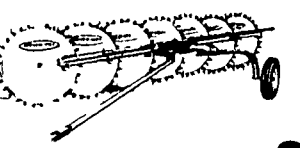
N. H. L425 Loader

N. H. 256 - 258 Rakes
N. H. 707, 718, 782, 892 Harvesters
N.H. Spreaders - 513, 519, 679 & 800
Vicon 3 pt. Fert. Spreader
Bobcat 530, 641 & 743
Tye No Till Drill
Glenco 7' Soil Saver
Morrige 275 Grain Dryer

SPECIALS

Woods M5 3 Pt. Rotary Mower \$675
Woods M72 PC 3 Pt. Rotary Mower \$895DUNHAM-
BRILLION-
LAMCO-
BOBCAT

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SPREADER
SALE \$525 FACTORY REBATE \$40NEW IDEA 272 CUTDITCHER
SALE \$3875 FACTORY REBATE \$295NEW IDEA 621
FORAGE BLOWER
SALE \$1925 FACTORY REBATE \$130NEW IDEA 622
FORAGE BLOWER
SALE \$2125 FACTORY REBATE \$145NEW IDEA 406 5-BAR
HAY RAKE - 9 1/2 FT.
SALE \$2395 FACTORY REBATE \$150NEW IDEA 402 5-BAR
HAY RAKE - 8 1/2 FT.
SALE \$2050 FACTORY REBATE \$125NEW IDEA 404 5-WHEEL RAKE
SALE \$1475 FACTORY REBATE \$85SHARTLESVILLE
FARM SERVICERD 1, Hamburg, PA
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H. Daniel Wenger, Prop.* Rebates End
Nov. 18, 1981

FARM EQUIPMENT



NEW TRACTORS

AC 5020
AC 5052 FWD
AC 5050
AC 5050 FWD
w/ldr.
AC 6060
AC 6080
AC 7010

USED TRACTORS

IH 574
IH 2806
Case 400
AC 175
AC 7000 w/cab
A

NEW COMBINES

M KF2

F KF2

USED COMBINES

KD 7700

MF 410

MF 510

IH 715

NI 701

Call now about
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ams & rebates.WICKLE'S
DAKOTA (717)
750-3915

FARM EQUIPMENT

FARM EQUIPMENT

NEW TRACTORS

JD 2940
JD 4040
JD 4440
JD 4640

NEW MACHINERY

1 - Century 300 gal. sprayer
JD 445 Spreaders N/T \$3975
1 - JD 660 Spreader N/T \$4500
2 - JD 680 Spreaders N/T each \$8595
JD 235 17' Disc
JD 235 19' Disc
JD 1207 Mower Conditioner
JD 1209 Mower Conditioner
JD 950 12' Roller Harrow
JD 950 15' Roller Harrow
JD 1250 Plow 3x16 \$1800 N/T
JD 1250 Plow 4x16 \$2450.95

USED MACHINERY

1974 IH 100 Hydro Tractor Motor
overhauled March 1981
2-Chisholm Rider Bean Harvesters
w/656 IHC Tractor each \$6,000
IHC 400 4R Planter \$3500
IHC 400 6R Planter \$3500
IH 56 4 Row Planter
JD 145 Plow, 5B 16" \$1800
JD 24T Baler w/30 Thrower \$2725
2-18x4x30-8 Ply Tires and wheels
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JD Agricultural Dealer and CP

TRACTORS

Ford 8000 w/dual wheels
Ford 7700 Dual Power
Ford 5000 D 8 Speed
Dual Power
Ford 4500 w/Loader &
Hoe
Ford 2600 Gas, PS
Ford 2000 w/blade
MF 235 G, PS
Ford NAA 12 Speed
Ford 4000 w/Loader
Ford 801 D w/power
steering
Ford 9N w/Loader
IH 686 D WFE
IH 504 G, 3 pt.
IH 330 w/fast hitch
IH Cub w/mower
IH M w/loader
AC 5040
AC 160D
AC D17 G
Case 630 w/PS
MF 135 G Live PTO
MF 135D, 8 speed
MF 65 G, PS
JD 3020 D WFE
JD 730 D 3 pt.
JD A w/cultivators
Sato w/Woods mower
EQUIPMENT
Woods C80 Mower
Ford 532 Baler
Ford 3 pt. Rake
Ford 501 Mower
NI cut/ditcher
MC Flail Chopper
NH Flail Chopper
IHC 13 Disc DrillKELLER'S FARM
MACHINERY, INC.
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Quakertown, PA 18951
215-536-4046

Used Combines & Cornheads

AC KKS Gleaner w/10' header & 330
cornhead
AC FKS-2 Gleaner Combine, Diesel, 13'
Grain Head, Hydrostatic Drive
NI 702 Tr. w/717 combine w/713 S-13'
header
IH 315 Combine w/13' grain head & 2 row
cornhead
AC C Gleaner w/440 cornhead
(1) MH 82 SP Combine 13' header
2 - MF QT 24 2 row cornhead
NI 728 4-Row Narrow Cornhead

Used Manure Spreaders

NI 244 Manure Spreader w/hyd. end gate
(1 yr. old)
NI 224 Manure Spreader (350 bu.)
NH 676 Manure Spreader (275 bu.)
NI 214 Manure Spreader w/3 beater &
hyd. end gate
NI 214 Manure Spreader w/single beater &
hyd. end gate
NI 214 Manure Spreader w/flail beater
207 Hawkbilt Tank Spreader

Used Tractors

AC 7000 w/cab & Air
AC 5050 w/220 hrs.
AC D15 Tractor
IH 450 Tractor

New Corn Pickers

325/327 2-Row Narrow
324/327 2-Row Wide
323 Single Row

Used Corn Pickers

1 - 324/327 2 row wide picker
1 - 323 Single Row Picker - **SOLD**
1 - 729 Uni Sheller
1 - Uni Husker w/702 tractor, 727 husker
& 723 2 row head
1 - 726 Uni Husker

Misc. Used Equipment

Hesston 310 self propelled haybine
NI 279 Cutditcher
JD 38 Harvester w/2 row wide & pickup
JD FB17 Grain Drill single disk
Brillion 14' transport harrow
NH Super 717 Harvester w/2 row
cornhead
767 Uni-Forage Harvester
Int. 2000 Front End Loader w/fork

New Tractors

In Stock - Priced To Sell!
AC 5030 w/turf tires, 26 h.p.
AC 5050 51 h.p.
AC 6060 63 h.p.
AC 7010 w/cab & air & power shift
AC 7010 w/no cab & 18.4-38 tires
AC 7060 w/cab & air & power shift

NI 1500 Gal. Vacuum Tank Spreader \$5,595.00	AC 2500 15' Fold Disc Harrow \$6,395
FFP 99-Tooth Glenco Soil Saver \$6,490.00	AC 2500 12' Non-Fold Disc Harrow \$4,350
AC 1200 Field Cultivator 16 1/2 ft. Hyd. Fold \$2,650.00	AC 2313 13'2" Disc Harrow \$3995
Little Giant Rollaway Elevator \$650.00	8C 25HP Hydramac Skid Steer Loader with 2 Buckets-Rental Unit \$5,995
Model 2000 Series Semi-Mounted 5 Btm. AC Plow \$4,095.00	48' Hub Elevator w/Hopper, Grain Discharge Head & Swivel Spout \$3,095 Less Motor
AC Model 2600 Fold Disk 16'8" \$7,195.00	
AC 333 No Till Special Corn Planter w/Air Unit & Gran. Fert. Row Marker & Monitor Waiver Until 3/1/82 \$7,895.00	Artsway Forage Box with Roof 3 Beater, 10 Ton Gear with 11Lx15 Tires \$5,195

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NEW IDEA

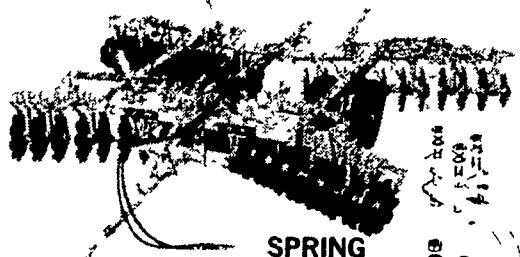
MESSICK FARM EQUIPMENT PARTNERS in AGRICULTURE

Do You Have A Corn Disease Problem?

**Experts are saying
plowing, disking, and
shredding could
help control this
disease.**

**CHECK OUT OUR
NEW AND USED
EQUIPMENT**

Taylor-Way



**SPRING
BEARING
CONNECTOR**
THE "OTHER ROCK LOVING DISK"
All Sizes,
With Flex Bearing Hangers

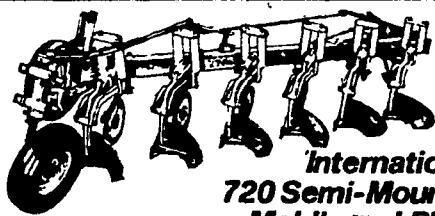
International® Model 60 Shredder



Get rid of
crop residue
in a hurry!

170 inch,
6 row wide
with 4 wheel
attachment
**CHECK OUR
FALL TILLAGE
SPECIALS**

**Rocks or heavy trash
won't often stop this one.**



**International®
720 Semi-Mounted
Moldboard Plows**

New NEW HOLLAND MODEL 30 CROP CHOPPER, 1 only \$3841 plus Cash Rebate of \$300



**See The NEW INTERNATIONAL
SERIES 88 TRACTOR**

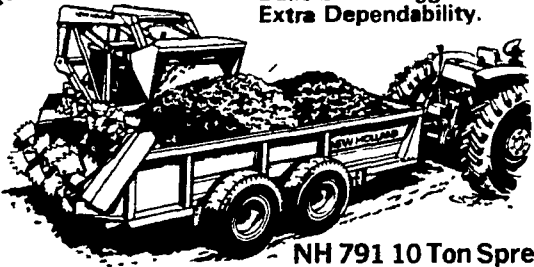
**Waiver of Finance on all AG
TRACTORS till MARCH 1, 1982**

**WATCH FOR THE FIELD
DEMONSTRATION DATES TO
INTRODUCE THE NEW IH TRACTORS**

**THE
LABOR
SAVERS**

THE STRONG-BOXES

Built Extra Rugged For
Extra Dependability.



NH 791 10 Ton Spreader



NH L445 Skid Loader

GOOD CLEAN USED EQUIPMENT

NH 519 Spreader, Hyd Gate, Ex. Cond
NH 510 Spreader
NI 214 Spreader w/Tailgate, Excellent, 2650 00
NH 362 Tank Spreader, \$1595.00
Badger 180 Spreader, \$1200 00,
IH 56 Blowers
Several Used Cub Cadets
IH Model 234 Mtd Corn Picker
NH 770 R2 Corn Head
NH Self Propelled 818 Diesel Harvester
IH 650 2 Row Cornhead and Pickup Attachment
Twin Rower to Pull 2 Rakes
IH 37 Baler w/Thwr
NH 275 Baler w/Thwr
NH Model 850 Round Baler, \$5395.00
NH 489 Haybine, Ex
NH Model 495 Haybine, 12 pt ex cond, \$4850 00
NH 276 Baler w/58 Thwr

LOOKING FOR A CLEAN USED TRACTOR?

**Check This Listing And
Give Us A Call**

- Farmall H
- IH 454, 3 pt hitch
- IH 504 D, 3 pt hitch
- IH 574 D
- IH 656 with New Engine
- Farmall M
- Ford 3600 with Cab, 80 Hours, New Cond
- Oliver 77

IH 400, 4 Row, Excellent
1200 Gal Aluminum Sprayer Tank
JD 494A, 4 Row Planter \$975 00
JD 10 Ft Cult Mulcher
JD 12 Ft Cult. Mulcher
JD 1209 Mower Conditioner
IH 7 ft Sickle Bar Mower, Good Condition
Oliver 3 Bottom Plow
IH 531 Plow
IH 9A Disc Harrow
JD KBA Transport Disc Harrow
Ford 8 3 pt Disk Harrow
Grove Forage Box Wagon, Ex Cond., \$1350 00
NI Hay Rake, \$650 00
Fox 3310 Harvester, Super Excellent Condition
IH Model 510 16x7 Grain Drill, Ex Condition
Skid Loader Trailer, Tandem Axle With Brakes & Lights, \$1250 00

MESSICK FARM EQUIPMENT, INC.

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Lancaster Farming, Saturday, November 14, 1981—C21

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ATTENTION DEALERS!!!

We are distributing over a 10 state area for a company which handles renewed clutch discs and pressure plates for all the major lines of farm tractors and rebuilt TA units and TA parts of IH tractors. We have no minimum on quantity and our prices are very competitive. For dealer price list or more info please write or call

Rebuilt TA assemblies in stock for IH tractors, New and Rebuilt, Water Pumps, Dynalife clutches, pressure plates, and PTO drive shafts (are spline fitted into pressure plate, IN STOCK for tractors A, B, C through 1586, also for most models of IH combines

Complete TA assemblies for 706-1586 are priced at \$550 and come with a Dana Co. Heavy Duty Sprag instead of the usual IH sprag. The Dana sprag is guaranteed for 2 yrs. against failure. Sprag kits (includes sprag gear, Dana sprag & piston carrier) and all items for rebuilding your own TA assembly are available to qualified persons. Ramps and carriers for older style TA's (as in SMTA-340-560) are priced at \$150 each and carry a 90 day guarantee. We have parts needed for TA repair in stock at prices which will save you money. Shop is available for complete TA installation or split the tractor yourself and send the center housing to us. Complete rebuilt center housings available on exchange basis or for installation in tractors which did not have TA from factory.

Selling parts from the following:
Please have part no. when calling if possible

Tractors: IH 1066, 806, 706G, 616D, 450D, 460, 340, 300, M, SM, W 6 & A JD 520, 2020D, 60, A, B Oliver 1555, G wfront, year round cab
Combines: IH 203 JD 30 & 5., MF 35, Uni 701, 702 & 705 tractors, also 710 combines & 727 & 737 huskers MF 510 G Quick Tach
Corn Heads: IH 429 WN, 430, 228, 227, 328 WN

Parts shipped direct thru UPS & Parcel Post at
No Extra Charge To Retail Customers

J. EDWARD LEAMAN

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USED EQUIPMENT SPECIALS

Tag No.	Description	Regular Price	Cash Price As is Where is
4584	IH 544 Tractor	\$7500	\$5880
5613	IH 400 Diesel Tractor	1500	1195
5065	MM 5 Star Tractor	2100	1100
4924	Case David Brown 995 Tractor	7995	4600
4612	IH 606 Diesel Tractor Rebuilt	6975	5500
3500	Bobcat Skid Loader, Rebuilt	5670	4200
4074	IH 225 SP Swather	3995	1895
3620	Fox Super 1000 Harvester	2975	1300
3742	5 H.P. Electric Motor	200	125
3607	NI 702 Uni Power Unit	6250	3995
4994	NI 760 Uni Harvester	1595	895
1181	NI 762 Uni 2 Row Head	775	485
4828	IH 106 Cub Cadet w/mower	1375	895
4929	IH 169 Cub Cadet w/mower	2875	2195
4935	IH 122 Cub Cadet w/mower	1295	795
4941	Wizzard 14 h.p. Tractor w/mower	1299	695
3606	IH Cab Cadet Snow Thrower	500	295
3523	Fox 122 2 Row Head	1175	895
3229	Fox 6T Hay Pickup	375	295
2802	Fox 1 Row Corn Head	675	195
3608	Fox 2CA 2 Row Head	575	395
4123	Fox 3000 Heavester	3995	2500
5257	IH 2 pt. hitch Sub Soiler	285	195
5605	Kasco 7' Chisel Plow	995	846
5717	IH 449 4 Row Planter	600	351
5012	JD Grassland Seeder	1280	881
5264	Brady 608 Flail Chopper	890	395
4391	IH 234 Mounted Corn Picker	2900	950
4735	Gehl Forage Wagon	1690	1082
5341	NH M6 Forage Wagon	1195	796

COMING IN...

IH 715 Combine w/13' platform and 4 row corn head
IH 830 Forage Harvester w/pickup and corn head
IH 303 Combine w/platform and 2 row corn head
IH 656 Farmall Diesel Tractor
NI 744N Uni Corn Head
Farmhand Windrow Turner

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975 S. Main St., Chambersburg, PA
Phone: 717-264-3533

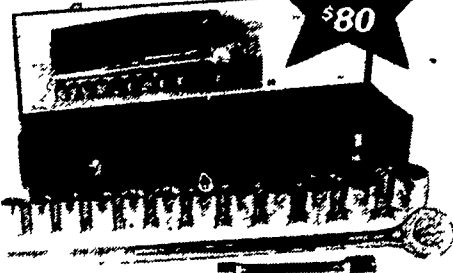


CHRISTMAS SPECIALS

TOOLS - TOOL BOXES



15-piece 3/4" Drive Socket Set



SAVE
\$80

International sockets are stronger because they're hot forged from A.I.S.I 4140 alloy steel and heat treated for uniform strength and long wear. This set includes twelve 3/4" drive regular length sockets (7/8, 15/16, 1, 1 1/16, 1 1/8, 1 1/4, 1 5/16, 1 3/8, 1 7/16, 1 1/2, 1 3/4, 1 7/8), 8" extension; 24" reversible ratchet; sturdy metal box. Replacement warranty - if a tool breaks in normal use, return it to the selling dealer for a free replacement. 999 478 R1

Reg. \$189.95 (Total individual piece price)

Special **\$109.95**



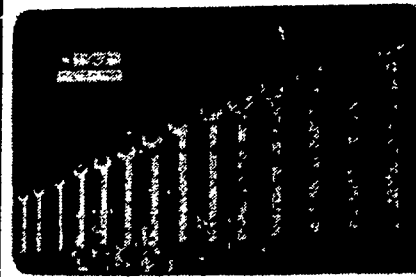
7-piece Screwdriver Set

Includes 4" round blade, 6" round blade, 8" round blade, No. 1 Phillips, No. 2 - Phillips, stubby screwdriver, pocket screwdriver, plastic tray 999 355 R1

Regular \$21.24
(Total individual piece price)

Special **\$11.95**
Savings \$9.29

14-piece Combination Set



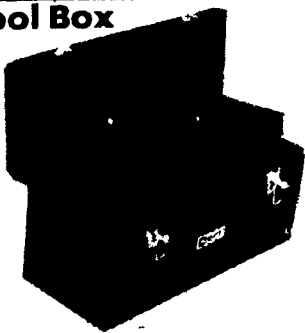
Fourteen Combination Wrenches

- 3/8
- 7/16
- 1/2
- 9/16
- 5/8
- 11/16
- 3/4
- 13/16
- 7/8
- 15/16
- 1
- 1 1/16
- 1 1/8
- 1 1/4 inch
- plastic tool roll

Special **\$79.95**
Savings \$40.00

999 546 R1

20" Tool Box



This hand box is extremely popular because of its capacity and durable construction. It's ideal for both mechanics and heavy-duty use at home. A big three-compartment tote tray is included. 20x8 1/2 x 9 1/2". 1132 059 R1.

Special **\$25.99**
Savings \$4.00

Tool chest and rollaway make an ideal combination for the farm shop. All IH tool chests and rollaways are made with rugged double wall heavy-gauge steel construction with a long-lasting baked-on enamel finish.

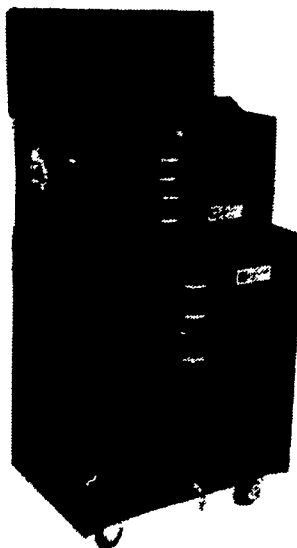
Four-drawer chest. Rugged chest measures 26 1/8 x 12 1/8 x 15". 1132 063 R1.

Special **\$112.99**
Savings \$17.00

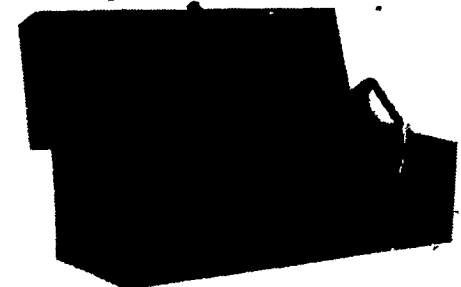
Three-drawer cabinet.

Two medium sized drawers, one large one, and a big storage compartment give plenty of space for any use. 26 1/2 x 18 x 30 1/8. 1132 065 R1.

Special **\$169.99**
Savings \$20.00



Special Christmas Price \$9.99



Santa's own hand-carry tool box. Ideal gift for Dad...he'll be able to take his tools anywhere. Has handy tote tray and low profile for easy transport and storage. 19 1/8 x 6 x 6 1/2. 1132 079 R1.



Lever-action Grease Gun

1131 055 R1

Special **\$5.98**
Savings \$1.47



Special Christmas Price 69¢

Oil Can Spout
1131 057 R1



Filter Wrench

999 550 R1

Special **\$3.25**
Savings \$2.14

- Easy to read dial from zero to 100 psi
- Brass gear movement assures accurate reading of tires filled with air or solution
- For farm equipment, trucks, autos, campers
- Sturdy construction with unbreakable crystal
- Part number 407 388 R1

Tire Gauge



Special **\$4.95**
Savings \$2.00

International Harvester tractor seats are specially engineered to fit the contours of your body and to prevent fatigue during long hours in the field.

Tractor Seats

A. Seat with suspension
407 523 R1

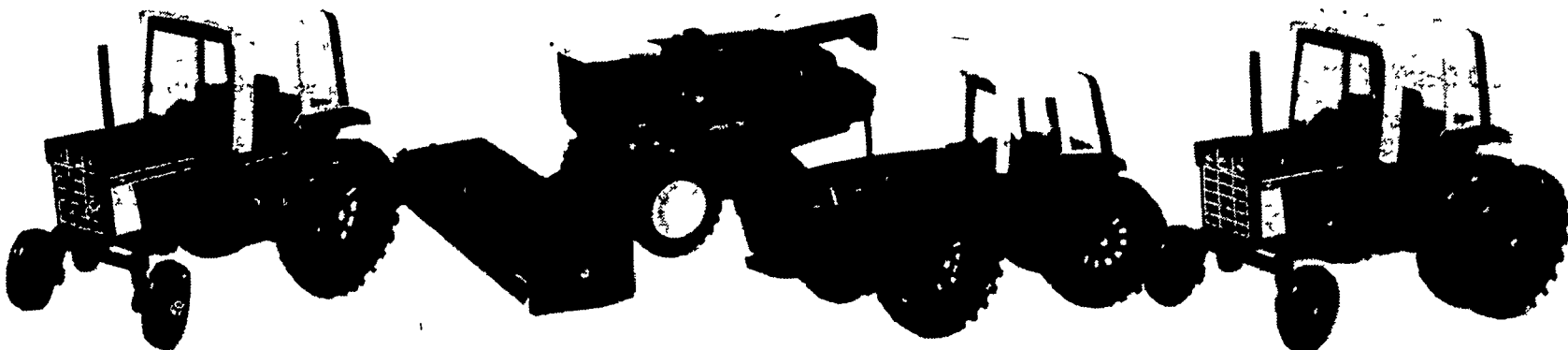
\$359⁹⁵

B. Seat for vertical-acting suspension
407 524 R1

\$159⁹⁵



Fun Gifts For The Future Farmers In Your Family



20% OFF ALL TOYS IN STOCK



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INTERCOURSE, PA

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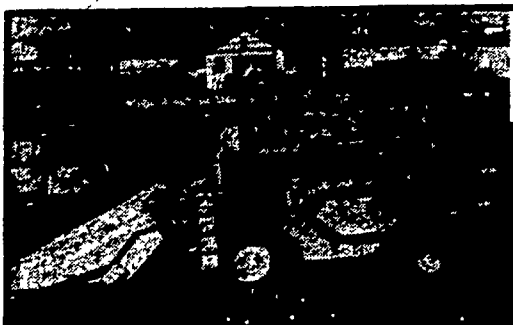
★ CALL US - WE PROBABLY HAVE IT ★ WILL SHIP SAME DAY VIA UPS-PPSH-BUS-AIR FREIGHT-ETC.

SHELL YOUR OWN CORN

WITH A GOOD USED COMBINE FROM

C.B. HOOBER & SON INC.

IT COSTS YOU MONEY TO WAIT...



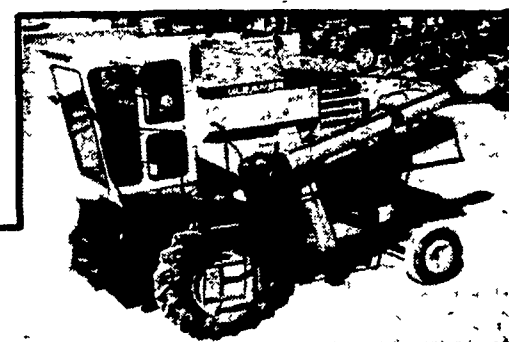
1978 NEW HOLLAND TR-70
780 Hours, Ford Diesel Engine, Gear Transmission, Air, Straw Chopper, 4 Row Narrow Cornhead & 15' Platform



1979 NEW HOLLAND TR-70
823 Hours, Ford Diesel Engine, Hydrostatic Transmission, Air, Straw Chopper, 4 Row Narrow Cornhead & 15' Platform



1976 IH 915
Hydrostatic, Diesel, 1000 Hours



1975 AC GLEANER FKS
Diesel Engine, 438 Cornhead & 13' Platform

SAVE BY OWNING ONE OF THESE COMBINES

BECAUSE: ...These Combines are Fully Depreciated
 ...These Combines Are PRICED RIGHT
 ...These Combines Were Trade-Ins, (We'll Give You The Name Of The Previous Owner So You Can Call Him)
 ...These Combines Will Go to The Field And Harvest Your Crop
 ...These Combines Can All Be Sold With A Waiver Of Finance Till 9-1-82
 ...MOST IMPORTANTLY YOU'LL GET THAT CORN BEFORE IT GOES DOWN

OTHER USED COMBINES

- 6817 IH 1460 Axial Flow, 1979, Air, Hydro, Monitor, Automatic, Header Control, Choice of Headers
- 6988 IH 1440 Axial Flow, 1979, 891 Hours, Air, Hydro, Monitor, Automatic Header Control, Choice of Header
- 6898 IH 715 Diesel Hydro, 1979, 300 Hours, Air, Monitor, Straw Chopper, 4 Row Narrow Cornhead
- 5373 MF 300 w/2 Row Cornhead 13' Platform
- 6098 NH 975 Gas w/2 Row Cornhead & 13' Platform

USED CORNHEADS

- 6836 IH 883, 8RN
- 5966 IH 844, 4RW
- 7064 IH 863, 6RN
- 6474 IH 844, 4RW
- 5817 IH 744, 4RW
- 9493 IH 744, 4RW
- 4147 IH 744, 4RW
- 4221 NH 4 Row Wide (Late Model)
- 3641 AC GKS 44
- 5887 AC 6 Row Narrow, L

USED GRAIN HEADS

- 7062 IH 820 Flex 17 1/2'
- 6803 IH 820 Flex 15'
- 6899 IH 820 Flex 13'
- 5799 IH 810 Flex 15'
- 4639 IH 810 Flex 15'
- 7000 IH 810 16 5'
- 5524 IH 810 15'



FALL KRAUSE TILLAGE SALE

Don't Wait Till Spring —
Buy Your Krause Disc Now

Why??

- 1 - All models in stock NOW
- 2 - Buy at last years prices NOW

KRAUSE ROCKFLEX DISKS PERFORM

USED TRACTORS

- 6432 IH F1586D w/Cab
- 6561 IH F1566 w/Cab
- 6594 IH 4366 4WD
- 6580 IH F1086D w/Cab
- 6530 IH F1066D w/Cab
- 6180 IH F886D w/Cab
- 6452 IH F806D
- 6854 IH F806G
- 6879 IH F686D, 986 Hours
- 6186 IH F656D Hydro
- 7073 IH I574 Gas Utility
- 6998 IH I574D Utility
- 6702 IH F544D Hydro
- 7080 IH F560G
- 5642 IH I444 Gas Utility
- 6999 IH I444 Diesel Utility
- 6687 IH Farmall H
- 7059 IH Farmall M
- 7058 Steiger ST-251 Cougar III, 326 Hours
- 6510 Ford 4000 Su Diesel Utility
- 6526 IH 125 C Crawler Loader
- 7009 Deere 4630 Duals & Cab, 1605 Hours, Power-shift
- 6757 Deere Model A
- 7025 Deere 4620
- 7061 Case 430 Diesel
- 7027 - Case 1170 w/Cab
- 6974 AC 7060 w/Cab, Duals, 1125 Hours

ALL NEW & USED
PRODUCTS BACKED BY
**HOOBER PARTS
& SERVICE**

RADIO CONTROLLED TRUCKS FOR BETTER SERVICE
C. B. HOOBER & SON INC.
 INTERCOURSE, PA (717) 768-8231 AUTHORIZED UPS STATION



VISA



YOU'RE INVITED TO AN OPEN HOUSE

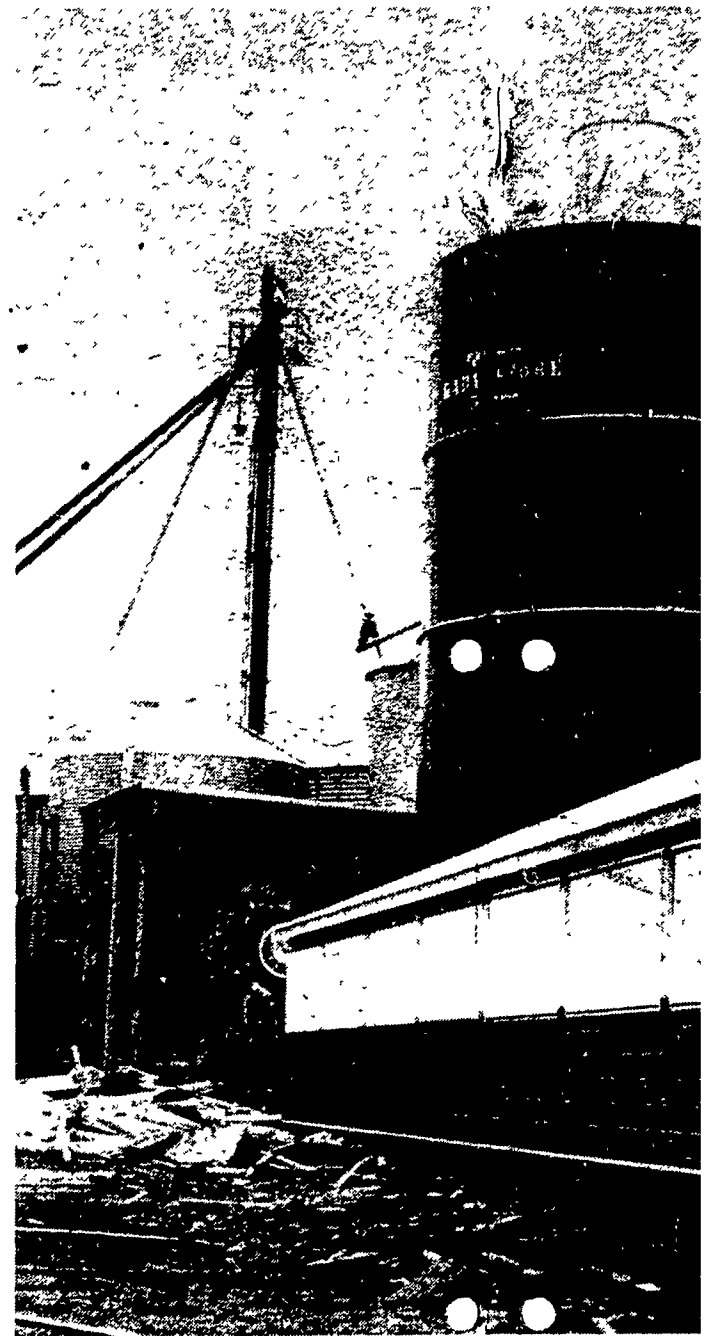
AT THE



NEW SWINE INSTALLATION

FEATURING

- ★ 2523 SLURRYSTORE[®] Liquid Manure System
- ★ 2042 HARVESTORE[®] for High Moisture Corn
- ★ HARVESTORE Wa-Ro-Matic Roller Mill & Supplement Meter
- ★ Laminated Clear Span Rigidply Rafter System
- ★ Save Systems Thermo Pneumatic Ventilation
- ★ Warner Flex-Flow Components for High Moisture Corn
- ★ Big Wheel Fiberglass Hog Feeders by Osborne Industries, Inc
- ★ Shallow Pits With Ley Manure Scraper System



Congratulations To The Terry R. Schee

AgriStor Credit Corporation

American City Building
10227 Wincopin Circle, Suite 505
Columbia, MD 21044

Phone: 301-997-3191
301-997-3192

Carol Huddleston, District Manager
John Carter, PA Representative

TRI-COUNTY

PHONE 717-274-3488 LEBANON PA.



SWINE SYSTEMS

Specializing in
Buildings & Equipment



PENN-JERS HARVESTO SYSTEMS, I

P.O. Box 7, New Holland,
Phone: 717-354-40

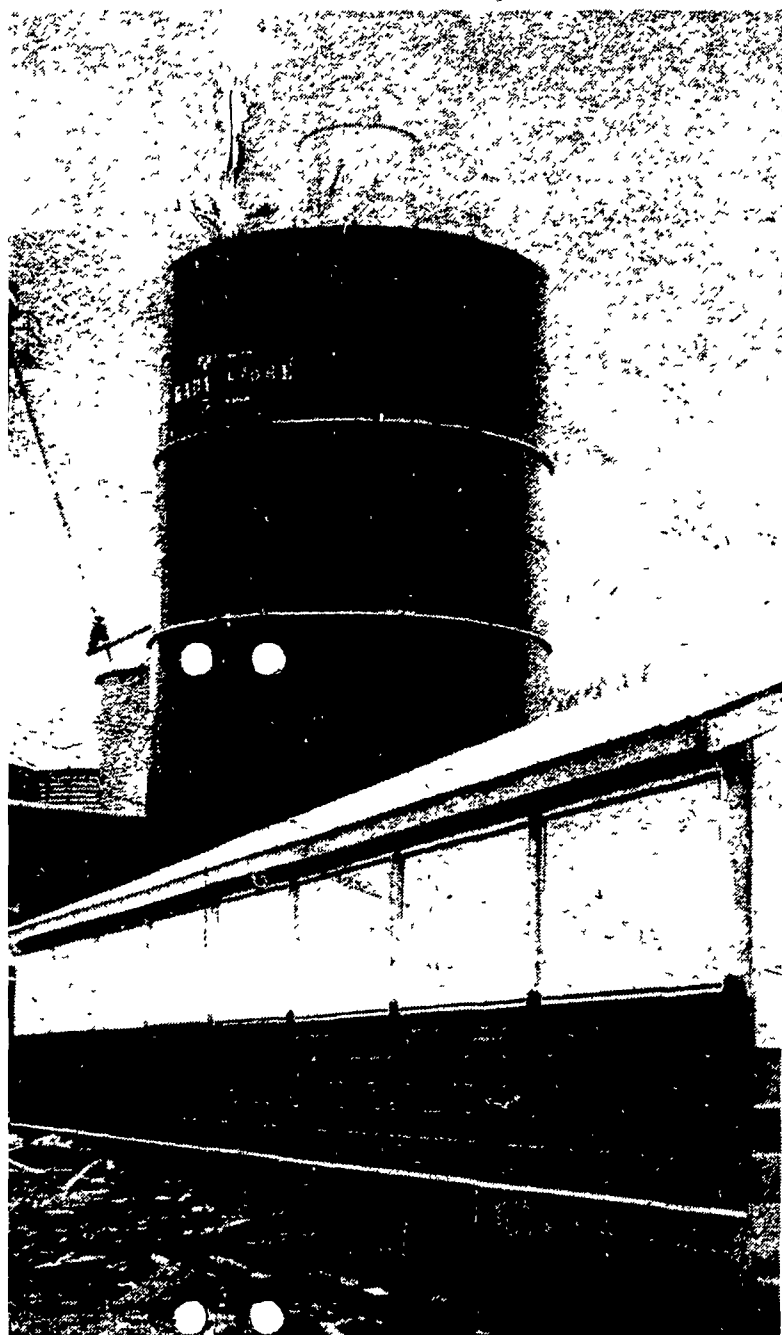
TERRY R. SCHEETZ FARM

Stevens, PA

AT THE

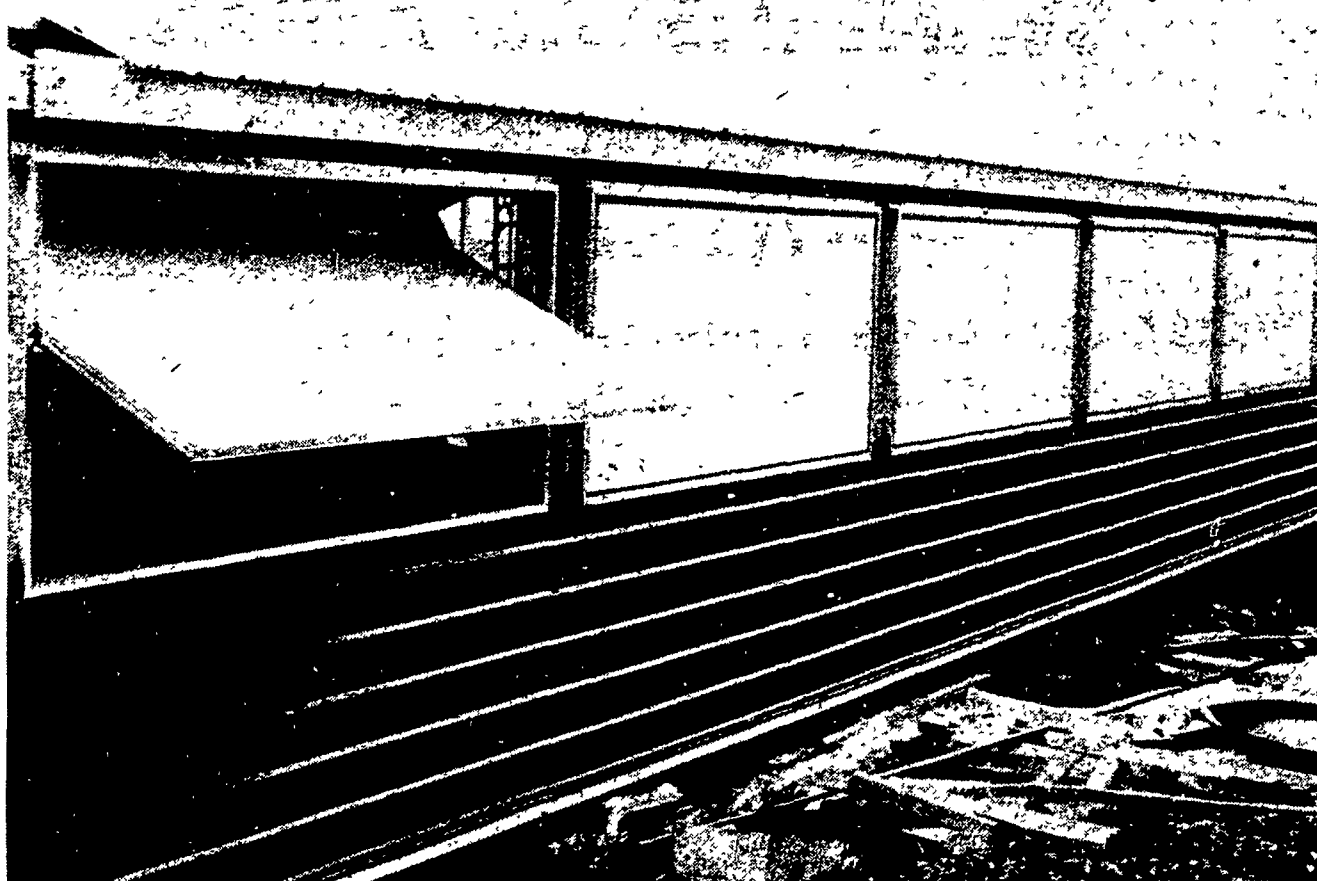
TUESDAY, NOVEMBER 17, 1981

12 Noon to 7:00 P.M.



DIRECTIONS

Route #322 West To #272...Left On Route #272 North About 2 Miles To Schoeneck Road...Turn Left...Turn Right On 1st Road...Go 2 Miles At Square In Stevens...Turn Left...1st Farm On Right.



R. Scheetz Family!

REFRESHMENTS

**PENN-JERSEY
HARVESTORE®
SYSTEMS, INC.**

P.O. Box 7, New Holland, PA 17567
Phone: 717-354-4051

Telephone: (717) 866-6581



RICHLAND RD1, Pennsylvania 17087
STEEL AND ALUMINUM ROOFING, TREATED POLES
AND PLANKING, INSULATED DOORS.

Kurtz Bros. Concrete, Inc.
Five ready-mix concrete plants and a block plant give Kurtz Bros. a capacity that establishes them as a leading supplier of concrete block and ready-mix for southeastern Pennsylvania.
930 Pointview Avenue
Ephrata, Pennsylvania 17522
(717) 733-1231
A High-Industries, Inc. company



FARM EQUIPMENT

MF 510 combine with quick attach, 13' grain head, 4 row narrow corn head, good condition Lancaster Co., PA 717 284-2761



USED TRACTORS

Ford 3000 Diesel
Oliver 770 Gas

USED TILLAGE EQUIP.

Oliver 5 Btm auto reset plow
White 508 4B 18 Auto plow
Ford 142 4B Semi Mtd Plow

USED HAY TOOLS

Hesston PT10 Windrower
Hesston 1010 Hydro Swing Windrower
NI 290 Mower Conditioner

MF Dyno Balance Mower
Fox SPF Fg Harvester

MISCELLANEOUS

Grain Chief 450 Dryer

COMBINES

White 8700 (1980)

STANLEY'S FARM SERVICE

RD Box 46
Klingerstown, PA
717-648-2088

FARM EQUIPMENT

Largest selection of ERTL Toys at Wenger's. We trade your toys in. Also new pedal tractors. We trade yours in 717 866 2130

For Sale Late model Brillion transport harrow 16' w/foldup wing in good condition \$1195 717 367-1319 or 717 653 8867

VAN DALE

Van Dale Products

- Silo Unloaders 10' - 30' New & Rebuilt
- Bunk Feeders - Belt, Auger and Shaker
- Conveyors - Auger & Single Chain

T.M.R. Van Dale Mixer-Feeders - 4 Auger

- Truck Mounts • 40 Cows to 400 Cows
- Trailer Mounts
- Stationary Units

Liquid Manure Spreaders

- 1500 Gal to 4500 Gal.
- Soil Injectors

Liquid Manure Pumps

- Agitator-Filler
- Centrifugal
- Lagoon

Uehler Electric Forage & Grain Carts

Uehler TMR Forage Carts

Red Top Stainless Steel Trough Cattle Waterers

Lancaster Stave Silos - Stave or Metal Chutes

Sollenberger Poured Concrete Silos Top or Bottom Unloading

Double Chain Wood Conveyors w/ Slip Clutch & 1/4" Bottom

Taper Board Feeders & Belt Feeders

Circle Feed Supplement Bins

Hedlund-Vaughan Chopper Pumps

Neseth Liquid Manure Equipment

Leasing Available

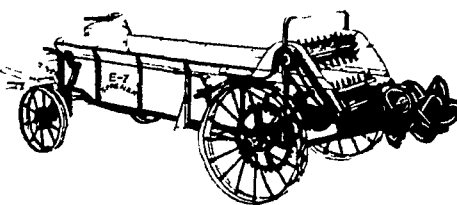
Sales & Service

K & S INC.

RD 1 Quarryville, PA 17566
PH 717-284-3111

FARM EQUIPMENT

FARM EQUIPMENT



Price *\$2350.00
LESS 2% THRU NOVEMBER
HORSE DRAWN SPREADERS

Steel or Rubber Wheels
Wood Treated Box
Roller Chains on Small Chains
Same Size as No. 10A
Sealed Bearings
Auto Steering Front Axle

JONAS B. STOLTZUS

Christiana RD #2, Box 129, Pa. 17509

FORRESTER FARMS

1337 Lincoln Highway East
Chambersburg, PA 17201

Phone: 717-263-0705

Sales - Parts - Service

Long One Day Sale

Dec. 9th



1 IH 1066 w/cab	New Long 460
IH 784 w/cab	New Long 360
4 JD 4020 one w/cab	New Long traveling irrigation unit
2 JD 3120	3 Ford 9600, 1 w/cab
2 JD 2130 1 w/cab	Ford 9000
4 JD 2120	Ford 8600
4 JD 2020	1 Ford 6600
Used JD cabs for 2030, 2020, 1020	2 Ford 5000
D2 Cat crawler	Ford 4500 backhoe
Jaeger irrigation pump	3 Ford 3000
MF 1080 w/cab	Ford 841
MF 175	Ford 772 A loader
New Long 610	Ford 641 diesel
New Long 510DT 4 wh drive	Roadless 95 4 wh drive

1/4 Mile East of Exit 6 I-81



M.M. WEAVER & SONS, INC.

LEOLA, PA. 17540 717-656-2321

Located: 4 miles West of New Holland on Route 23, 1 1/2 miles Northeast of Leola on the North Groffdale Road, 1 mile on the right, opposite Groffdale Mennonite Church.

NEW & DEMO HAY, FORAGE & PLANTING

MF 200 Harvester w/2 Row Head	@ \$900.00
(4) MF 1 row Corn Head for 200	
MF 260 Harvester 3 Row Head	\$6100.00
MF 260 Harvester w/Used 2 Row	\$1520.00
MF 22 Bale Thrower	\$4800.00
MF 925 9' Haybine	\$1650.00
MF 37 PT Hay Rake	@ \$1995.00
(2) Farmhand F7 Hay Rake	\$975.00
Farmhand M 25 Hay Rake	\$1525.00
Niemeyer Hay Tedder	@ \$1500.00
(2) Mott 3 pt 72" Flail Mower	\$4500.00
(6) Farmhand Corn Processor	@ \$950.00
(6) Conveyor For Above	\$5700.00
MF 1050 Grinder Mixer	\$8500.00
Farmhand 880 Tub Grinder	\$2588.00
MF 468 6 Row Cornplanter	\$4900.00
Farmhand 815 Grinder Mixer	

USED HAY - FORAGE & PLANTING

New Holland 717 Harvester	\$1400.00
1 row & Hay Pick Up	\$1250.00
Brady 840 Flail Chopper	\$4850.00
MF 1050 Grinder Mixer	\$1000.00
Fox 2000 Harvester 2 Row and Hay Pick Up	\$1000.00
Hesston #10 Stacker	\$3750.00
Brady 1680 Flail Chopper	\$2900.00
New Idea 315 Picker Sheller	\$1800.00
MF 10 Baler w/thrower	\$550.00
Farmhand 5 Wheel Rake	\$600.00
MF 12 Baler	\$1100.00

TRACTORS USED

MF 1155 8 Sp	\$11,000.00
MF Super 90 Diesel	\$3900.00
MF 1100 Turbo	\$8250.00
MF 1085 M P	\$8200.00
MF 178 M P	\$4500.00
MF 85 Gas	\$2200.00
Case 1370 Cab	\$14,000.00
Case 990 w/Loader	\$9500.00
Oliver 1600 Gas	\$3500.00
MF 6 Riding Mower	\$350.00
MF 33 Wheel Loader	\$9000.00
NW 71 Skid Steer	\$8000.00
MF 14 Lawn Tractor	\$1475.00
IH 706 Diesel	\$5500

DEMO TRACTOR

MF 4840 4 Wheel	\$58,000.00
MF 2775 24 Sp	\$29,000.00
MF 2745 24 Sp	\$28,500.00
MF 285 M P	\$16,500.00
MF 285 M P	\$16,500.00
MF 255 M P	\$12,200.00
MF 255 8 Sp Hi Cl	\$11,900.00
(2) Ind 20C Tractor Cabs	@ \$1500.00
MF 220 4 Tractors	\$7,900.00

NEW & DEMO MISC. EQUIP.

York 6' Scraper	\$230.00
(4) York 7' Scraper	@ \$250.00
York 7' Scraper	\$500.00
York 8' Scraper	@ \$550.00
York 8' #100 Scraper	\$975.00
York 8' #75 Scraper	\$850.00
MF 226 Scraper (3)	@ \$460.00
MF 810 Ton Gear 11L	\$1140.00
MF 78 Ton Gear	\$775.00
MF 86 12 Ton Tandem Gear	\$1525.00
EZ Pinor Gear	\$300.00
MF 5 Ton 5th Wheel Gear	\$675.00
EZ 672 6 Ton Gear	@ \$830.00
EZ 872 8 Ton Gear (3)	\$1050.00
EZ 1074 10 Ton Gear	\$2495.00
MF 236 Q A Loader	\$1750.00
MF 216 Q A Loader	\$3500.00
MF 32A Loader	\$1900.00
Dunham 22 Loader Demo	@ \$2550.00
Dunham 22 Loader (2)	\$875.00
Danuser Post Hole Digger	\$780.00
Little Giant Corn Drag	\$2850.00
MF 205 Manure Spreader	@ \$530.00
EZ 170 Bu Gravity Box (2)	\$900.00
EZ 220 Bu Gravity Box	

USED MISC. EQUIP.

New Holland Tandem Axle Spreader	\$2000.00
Fert Drill	\$125.00
Fontana Loader	\$800.00
Century Sprayer	\$1250.00

NEW COMBINES - GRAIN & CORN HEADS

In Stock 860 - 850 - 550	
540 Combines 2-4-6 row	
Corn Heads 13-15-16-18-20'	
Reg & Float Grain Heads	
Call for Special Prices	
MF 24 - 2 row Corn Head	\$2350.00
Profiater 14' P U Reel (5)	@ \$625.00
Profiater 15' P U Reel (3)	@ \$650.00

USED CORN HEADS

MF 83 8 Row 30" (2)	@ \$7000.00
MF 63 C 6 Row 30" (4)	@ \$4000.00
MF 63 C 6 Row 30" (2)	@ \$2500.00
MF 63 C 6 Row 30" (1)	@ \$3500.00
MF 63 6 Row 30" (4)	@ \$2100.00
MF 44 4 Row 38" (2)	@ \$3500.00
MF 44 4 Row 38" (9)	@ \$2500.00
MF 44 4 Row 38" (3)	@ \$2100.00
MF 43 4 Row 30" (1)	@ \$2500.00
MF 33 3 Row 30"	\$2500.00
MF 24 2 Row 38"	\$2200.00
MF 422 4 Row To Fit 510	\$1200.00
MF 421 4 Row To Fit 410	\$1200.00
MF 621 4 Row To Fit 510	\$1200.00
MF 322 3 Row To Fit 410	\$200.00
AC 435 G 4 Row To Fit CII	\$1500.00

USED COMBINES

IMF 760 V8 Hydro Grain & Corn	\$48,500.00
IMF 760 V8 Hydro 16' Grain	\$34,000.00
IMF 760 6 Cyl Gear 16' Grain	\$19,000.00
IMF 760 6 Cyl Gear 4 sp Grain	\$19,500.00
IMF 510 D 3 sp. Grain Table (3)	@ \$12,500.00
IMF 510 D Hydro Grain Table	\$14,500.00
IMF 300 QA Grain & Corn	\$9000.00
IMF 300 Gas 13' Grain	\$3100.00
IMF 80 Combine	\$600.00
White 7300 Gas Grain & Corn	\$17,500.00
White 8600 Gas w/Flex Quick Cut Hd	
IH 315 Gas Grain & Corn	\$7900.00
IH 303 Gas Grain & Corn	\$3900.00
New Idea 315 Sheller Unit	\$900.00
JD 95 Gas 13' Grain 3-30 Corn	\$9200.00
Just Traded	
NI 708 Dsl Hydro Uni Systems w/13' Grain Table & 4 Row 30" Corn Husker	

USED GRAIN TABLES

MF 14' w/P U Reels (5)	@ \$1900.00
MF 14' w/P U Reels (1)	@ \$1200.00
MF 15' w/P U Reels (2)	@ \$2700.00
MF 15' w/P U Reels (2)	@ \$1500.00
MF 16' Float Bar	\$2100.00
MF 16' Offset w/P U Reel	\$1200.00
(12) 13'-15'-16 P U Reels	@ \$75.00 - \$250.00
12' & 14' Pinor to QA (3)	\$500 - \$1200.00

NEW & DEMO PLOWS & TILLAGE

(2) MF 43 2-14 Plow	@ \$1060.00
MF 129 3 pt Chisel Plow	\$1375.00
Glenco 7 Tooth Chisel Plow	\$4400.00
Amco F17 32 Disc Harrow	\$5200.00
Dunham 8 Tooth Chisel Plow	\$1600.00
MF 730 Disc Harrow 10'	\$4950.00
Yetter 15' Rotary Hoe	\$1850.00
Dunham 14' Cultipacker	\$1350.00
MF 428 4-38 Cultivator	\$1250.00
MF 428 4-38 Rolling Cultivator	\$1550.00

USED PLOWS & TILLAGE

IH 550 5 Btm Plow	\$1500.00
MF 880 4 Btm Plow	\$3500.00
MM 6 16 Hyd Reset Plow	\$2350.00
Glenco 9 Tooth Chisel Plow	\$3700.00
Dunham 3 pt 10' Chisel Plow	\$1600.00
MF 3 pt 2 Bar Chisel Plow	\$850.00
Case 5 Tooth Chisel Plow	\$750.00
Case 36 Disc Harrow	\$1550.00
Brady 12' Field Cultivator	\$1200.00
Transport 9' Disc Harrow	\$475.00
Tandem 20 Disc Harrow	\$250.00
2 Btm Trailer Plow	\$75.00
JD 3 Pt 4 Row Cultivator	\$500.00

SCHAEFFERSTOWN EQUIPMENT

SCHAEFFERSTOWN, PA

1/2 Mile N. of Schaefferstown on Rt. 419
Phone 717-949-6529

ALL MACHINES
REPAIRED AS
NEEDED -
CLEANED &
PAINTED.

WE BUY USED EQUIPMENT

WE ARE A DEALER FOR CUSTOM TRAILERS

TRAILERS

1979 CMI Folding Hydr	
Gooseneck 30 ton	\$29,500
9 Ton Tag-Along	\$1400
9 Ton Tag-Along	\$2000
9 Ton Tag-Along new heavy duty	\$5100
12 Ton Tag-Along	\$2000
12 Ton Tag-Along	\$2750
15 Ton Gooseneck, S.A	\$3500
25 Ton Lacross T/A	\$5500
Approx. 1 1/2 Ton Tandem Axle	
Tilt Trailer w/winch	\$1200
1 Ton Roller Trailer	\$800
New Trailers - All sizes and prices Call	

TRUCKS

1975 Dodge 1/4 ton 4x4 clean	\$3500
1965 Int. Dump S.A.	\$3200
1956 White 18' bed S.A	\$1800
1967 GMC 1/4 ton w/utility box	\$800
1970 Chevy w/20' bed S.A	\$2500
1975 Plymouth Fury 6 cyl.	\$2000
1973 Buick Riviera	\$1500
1969 Ford sgl. axle dump, good	\$6900
1965 Ford 1/4 Ton	\$450
Int. Scout 4x4 w/plow	\$800
Int. Tandem Axle Dump	\$4250
861 Mack Dsl., single axle truck tractor	\$3500

AIR COMPRESSORS

LeRoy 105	\$3500
Jaeger 105	\$2000
Chicago Pneumatic 125, O H	\$3000

WHEEL LOADERS

Hough 70, 4x4 3 to 4 yd good	\$14,500
Hough 30, 1 yd good	\$5200
Nelson 4x4	\$3750

MISCELLANEOUS

MF 180 Tractor	\$6850
Ford Corn Planter 2 Row 3 pt	\$450
16' Dump Box	\$1250
16' Dump Box good	\$2450
5 ft. Rotary Cutter new	\$495
Pavement Breaker 90 lb	\$350
Assorted Loader Buckets	
6 ft. Angle Scraper Blade 3 pt.	\$175
Myers Snow Plows	
Electric/Hydraulic/Angle	\$1000
17' Dico Block Unloader, Complete	\$2500
Davis Trencher	
w/Backhoe 30+4	\$7500
Davis Trencher 30+4	\$5000
Davis Trencher 300+	\$3000

BACKHOE LOADERS

Case 580B 1975 w/cab	\$15,500
Case 580B	\$11,500
JD	

USED TRACTORS AND EQUIPMENT

MF 235D w/loader, 400 hrs.
Oliver 550 w/loader
I-544 hydro
I-656D gear
Farmall Super M
IH 700 4F plow
JD loader
NH 479 haybine
IH 990 mower conditioner
JD 24T baler w/thrower

IH 37 baler w/thrower
IH 56 2 row planter
IH 55 chisel plow 13'
NH 352 grinder mixer
NH 512 spreader
IH 715 hydro combine w/13' grain platform
843 4 row corn head

NEW TRACTORS AND EQUIPMENT

IH 786D tractor
IH 886D tractor
IH 1086D tractor
I-784D std.
I-484D std.
I-584 std. low profile
IH-84D
20C hydro mack skid steer loader \$15,580

IH 2250 loader (bucket not incl.) \$2550
IH 4500 vibra shank cult.
2- 830 forage harvester, must move, low price
1- 720 forage harvester, must move, low price



C & W EQUIPMENT, INC.
260 York Rd.
Carlisle, PA 17013
717-243-4419

SPECIAL OF THE WEEK

8' BADGER LIQUID MANURE PUMP

1 Year Old
Will Sell For Less Than
Half Price
(New Price \$3800)

EQUIPMENT FOR SALE OR LEASE

BADGER
3,000 gal. liquid manure tank
1,500 gal. vacuum tank
205 Bushel Manure Spreader
Forage Wagons
Forage Blowers
Bedding Chopper for Mulching
Persuader Pump agitator for Lagoons
Handy High Pressure Washers



Oswalt Mix Wagons
Grain Drill with band seeder
Also:
Registered Holstein Bulls
SHOW-EASE STALL CO.
573 Willow Rd. Lancaster, Pa
Ph: 717-299-2536

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

NEW TRACTORS AT 1980 PRICES!

JD 4240 TRACTOR
• Special Leftover Price
Plus Waiver to June 1, 1982!

USED TRACTORS

JD 4430 w/Cab
JD 2840
JD 2640 w/Loader
JD 1020 w/Loader
MF 135

Ferguson 30 w/
Snow Blade
IH 300 w/Loader
Ford 4000
Ford 3000D

USED EQUIPMENT

JD 4400 Combine, Gas
Gehl Forage Wagon
JD 6620 Side Hill Combine w/6 Row Corn Head



SHOTZBERGER'S EQUIPMENT
Elm, Pa.
Phone: 717-665-2141

Tractors

AC 210 JD 4010 IH 300
AC 220 JD 2510 IH 350
AC 7030 JD 2010 IH 450
AC 7050 JD A IH 340
AC 170 JD B
AC 180
AC 190
AC 200
AC WD's & WD 45's

Used Equip.

Fox SP chopper w/2 or 3 row Head
IH PR1 Corn Picker
NH 845 Round Baler
Farmhand Tub Grinder Model 880

Combines

AC C combines
AC F combine
AC L combine
AC E combine

GRUMELLI FARM SERVICE



Quarryville
Phone
717-786-7318



PARTS VALUE OF THE MONTH

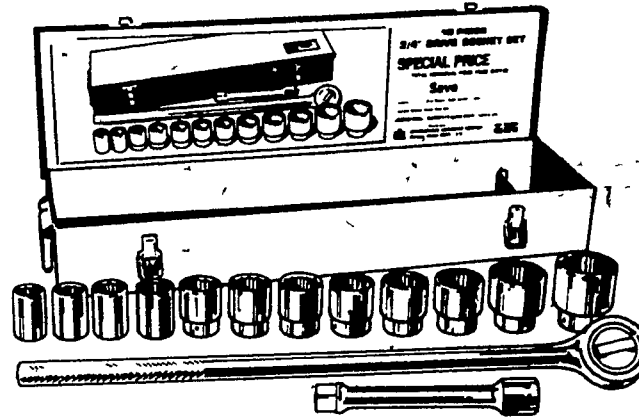
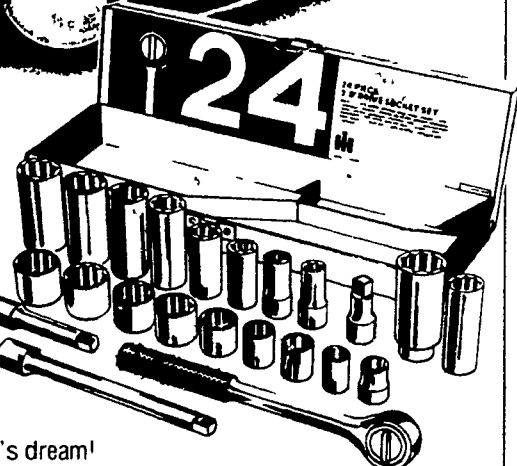
Christmas Bell Ringer Sale!
Give Dad the useful, practical gift of quality IH tools



24-piece 3/8" drive socket set... Complete with regular and deep sockets, three extensions, ratchet, and two spark plug sockets. The handyman's dream!

Special price **\$24.95**

Save **\$10.00**



IH 15-piece 3/8" drive socket set, For all the tough jobs. Finest quality. Lifetime replacement warranty. If a tool fails under normal use we replace it free.

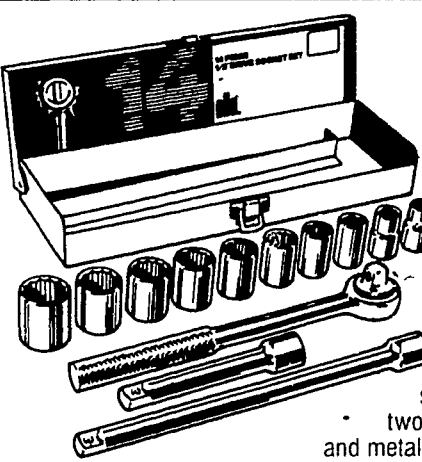
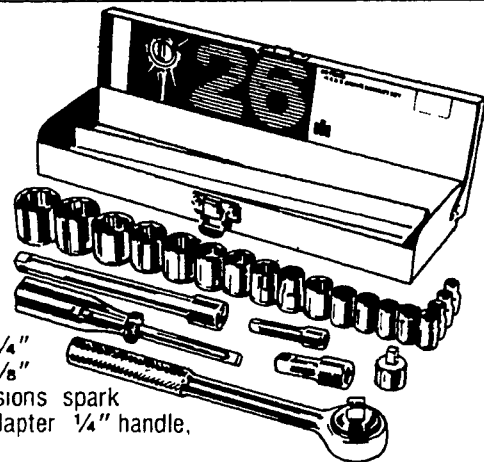
Special price **\$109.95** Save **\$80.00**
(Based on individual piece price.)

26-piece 1/4" and 3/8" drive socket set.

Includes nine 1/4" sockets, nine 3/8" sockets, extensions, spark plug socket, adapter 1/4" handle, and ratchet.

Special price **\$20.95**

Save **\$9.00**



14-piece 1/2" drive socket set.

Basic field quality tractor set includes ten 12-pt sockets 7/16" to 1" two extensions, ratchet and metal case.

Special price **\$21.95**

Save **\$8.00**

(Savings based on regular IH suggested list price.)



USED EQUIPMENT

Tractors

Farmall A
Farmall 140
Farmall M
IH 240
IH I-574 Gas
IH I-656 Gas Hydro
IH F985 D
IH F504
IH F560 Gas
IH F1066 D
IH F300 Gas
JD Cyclone B
MH Pony Outfit with Hydraulics
Ford 8N
Oliver 88D

Plows

IH 550 5-Bottom
IH 440 3F 16"
IH 531 3F
IH 700 6F Auto. Reset
IH No. 8 Trailing
3F Trailing Plow
Fast Hitch 2 way
MF 3F 16" Mounted
MF 5F 14" Mounted
JD 3F 16" Mounted
Oliver Chisel Plow
JD F125 3F
Ford 5F 18"

Tillage

IH 122 Mtd. Disk Harrow
Dunham 10 Ft.
Cultipacker
Lely Power Harrow
MF 3 pt. Disk Harrow
McConnel 20' Spring
Tooth Harrow with Transport
JD 10 Ft. Roller Harrow

Planters & Drills

IH 500 Planter, 6 Row
Pittsburgh 4-Row 3-pt.
Cultivator
IH 251, 2 Row Mtd
IH 400 Cyclo 4 Row
JD 494 Planter
IH 10 16x7 Comb Drill
JD 13x7 Drill
JD FB 177B Drill, 17x7
JD 1250 Planter
MF 468 4-R Planter

Pickers

IH 234
IH 2 ME
IH 2 MHD
NI 2-Row Mounted
NI No. 10 Cornpicker

Combines & Cornheads

IH 127
IH 810 15' Grain Head
IH 227 Corn Head
IH 429 Corn Head on 403

Hay Machines

NI 402 Rake
IH 430 Baler
IH 46 Baler w/Thrower
IH 37 w/thrower
IH 420 Baler w/Thrower
IH 10 Bale Thrower
IH 115 Mower
IH 990 9 Ft Mower
Conditioner
IH 1190 Mower Conditioner 9 Ft
M.C. Rotary Scythe
Kubota 60" Mower
JD Hay Tedder
Myers Hay Crusher
NI Mower
NH 67 Baler
JD 214 Baler

Forage Equipment

IH 16 Harvester w/2 Heads
IH 550 Harvester w/2 Heads
IH 650 Forage Harvester
IH 50 w/PTO Drive
IH 2 Row Wide Row Crop Units
JD 6 Harvester
JD 34 Harvester w/2 Heads
JD 16A Flail Chopper
IH 5 Flail Chopper
IH Hay Pickup 550/650
AC 780 Harvester
Fox 546 Harvester
NH 717
IH 42 Blower
IH 56 Blower
NH 25 Blower
Kools Blower

Miscellaneous

NI EGT 100 electric garden tractor
IH 20 Loader For Super C
IH 85 riding mower
IH 147 Cadet w/Mower
Sears 6 HP riding mower
Snow Blowers For Cadets
IH 530 Spreader
NI Spreader
MF 205 Spreader
Waldron Dozer Blade w/IH or JD Mountings
JD Post Hole Digger
Sunmaster B90 Mower
Woods Cadet 60 Mower
Woods RB7 Blade
Woods M5 Rotary Cutter
Walsh 300 Gal Sprayer
IH 40 Spreader
IH 580 Spreader
IH 175 Spreader
IH 550 Spreader
Badger 205 Spreader



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New Rubber \$7900
Farmall 460 gas, clean \$3985
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w/54" mower, 1 yr
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Special \$3800

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JD 720 Dsl \$3900
JD 630, tricycle \$3200
JD 60 w/3 pt hitch \$1800
Coming in
JD 4000 Dsl WFE
w/cab \$12,500

HAYING:

JD 16A chopper \$1800
NI 290 mower-conditioner \$1800

MISCELLANEOUS:

JD 680 Manure Spreader,
400 bu, like new \$5900

FORAGE:

Fox SPF 2RN 6 1/2' Pickup \$6900
Fox 2RN Snapper Head \$3500
IH 650 w/2XW - Pickup \$1500
IH 555 w/2XW - Pickup \$1400
JD 38 w/2RN \$1800
JD 3800 Long Tongue
for Parts \$1100

COMBINING:

JD 237 MTD Picker \$1400
JD 42 pull type \$1400
JD 40 \$2900
Oliver 525 self propelled, w/11'
grain & 2 row wide \$6000
JD 444 corn head \$5000
JD 6620 side hill w/15'
platform \$56,000
JD 6600 side hill,
hydro, 860
hrs \$34,000
JD 643 Corn Head \$8300

TILLAGE:

Pittsburg 4x16 3 pt plow \$550
MF 4x16 3 pt Plow \$500
JD 310 disc, 12' \$4600
White Off-set disc, 11' \$4600
JD 350 5/16 reset plow
w/cushion coulters \$3100
JD 145 5/16 Plow \$1000
JD 950 12' Roller Harrow \$2900

PLANTERS:

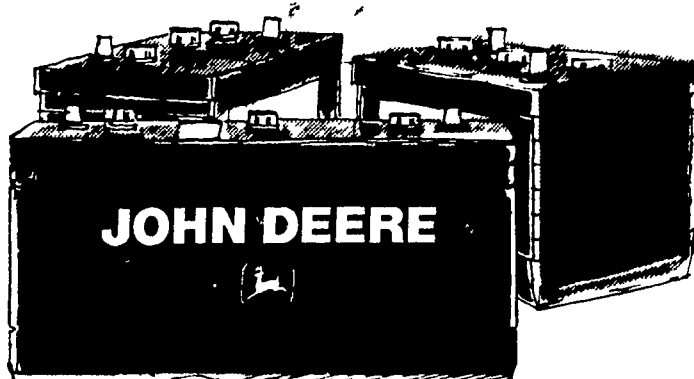
2 Oliver 540 4 row \$600 ea
JD 1250 6 row plateless
w/monitor \$1900
IH Cyclo 4 row no-till \$2500
JD 1240 plateless \$1200



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4-504F baler, special price
1-504G baler, special price
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3-F100 bale feeders, \$2495
1-500 gpm irrigation system, mobile
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1-Tye 3 pt. no till drill

1-Bale Buster for mulching lg. round bales

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4 - Kelly log splitters
2-3 pt. 2-engine drive
2-600 lb. fert. spreaders, \$320
1-1450 lb. fert. spreader, \$780

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1-23 hp, 2 buckets, \$6200

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20% off 1981 prices

1-PTO tedder-rake
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1-6 wheel trailer rake
2-8 wheel -V- rakes
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2-1900 lb. fert. spreader
2-950 lb. fert. spreader
1-600 lb. fert. spreader
1-8' 3 pt. hitch disc mower

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1-Vicon 15' power harrow, demo
2-Vicon 8' mower-conditioners, used
1-Vicon 8' mower-conditioner, demo
2-Lely tedder rakes, used
1-Badger manure souper, 10', demo
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See The New Number 1's...

IH 5088 & 5288 TRACTORS ON DISPLAY AT OUR DEALERSHIP!

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- ★ WAIVER OF FINANCE TO 3/1/82
ON THESE TRACTORS IN STOCK!
- 1086 Rental • 3788, 3688 & 5288 Diesels
- (2) 584's At Old Price!

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Waiver of finance till May 1, 1982

SP Windrowers
Mower Conditioners
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Ag Mowers
Forage Harvesters

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735 Vari-Width Plow, 5 Bottom
730 Vari-Width Plow, 5 Bottom
145 3 & 4-Bottom 18" Rollover, Auto Reset
496 Disc Harrow, 19'1", 9" Spacing (New Model)
501 Disc Harrow, 12'5" - Old Price!
315 Packer Mulcher, 20' Folding, Old Price! (1 left)
415 Packer Mulcher, 13', 12' & 10'
5513 13' 3 Pt. Chisel (1 left)
4500 Field Cult., 12' to 21' Folding
5100 Grain Drill, 24x6 with Ga. Wheels
5100 Grain Drill, 16x7 Combination
5100 Grain Drill, 18x7 Plain

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Customer Rebate on Model 1420
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Cultivating Equipment
- To 3/1/82 on Soil Preparation
Equip.
- To 5/1/82 on Hay Equipment
- To 9/1/82 on Forage Equipment
- To 3/1/82 on Materials Handling
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In Stock - Ready For Delivery

- Model 131 11'6" Flex Disc
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400 Gal. Stainless Steel John Blue Trailing
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John Blue 4-Ton Trailing Spreader with Hyd.
Brakes - \$3525!

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2250, 2350 & 2450 Loaders
1250 Grinder Mixer
1350 Grinder Mixer
530, 540, 550, 560 &
575 spreaders

No. 14 5-Shank Auto-Reset

SUB-SOILER

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• IH No. 10 7-Shank & 5-Shank Models
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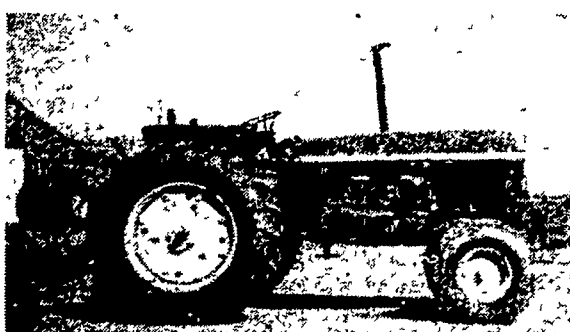
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FORAGE HARVESTERS AND FORAGE
WAGONS UNTIL MAY 1, 1982**



**JD 2840 Diesel
\$15,500**

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USED TRACTORS
WITH NO
FINANCE CHARGES
UNTIL MARCH 1, 1982**



**JD 4010 Diesel, WFE
\$8495**

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JD 4640 PS, SG JD 2440
JD 4240 Quad, SG JD 2240
JD 2940 JD 2040

Used Tractors

JD 1020 Ru Gas w/37 loader
JD 40T
MF 65 dsl.
IHC Cub w/mower

Used Spreaders

NI 206 Gr. drive
NI 207 PTO
NH 327 PTO

ALL USED LAWN & GARDEN EQUIPMENT REDUCED

New JD Utility Tractors

JD 750 w/MF WD w/375 Blade
JD 750 Turf T w/272 Mower
JD 650 Turf T w/160 Mower

Used Loaders

JD 46A loader

Used Corn Head

JD 444 Corn Head

New New Idea Uni-Equip.

743N 3 RN corn head
713 grain platform

Used New Idea Uni-Equip.

705 dsl. power unit w/cab & 767
chopper & 768 RC
767 super chopper
768 w/N3 row RC
769 flail mate
762 2R 30" RC

New Forage Harvesters & Equipment

JD 5820 s-p, cab, power wh. dr.
JD 3940 Harv
JD 16A chopper
JD 716A forage wagon
JD 6500 blower

New Corn Pickers

NI 325/327 2-row
NI 323 1-row

Used Corn Pickers

NI 323 1 row

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JD 506 5' util. 3 pt.
JD 606 6' util. PT

Used Forage Harvesters & Equipment

JD 16 A chopper
AC forage blower
JD complete cutterhead for 5440
sp. harv. used less than 500
hrs.

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Snow removal is easy with John Deere attachments

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Deere Snow Thrower or
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year 'round

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selection of models from
8-hp to a rugged 19 9-hp
See us today for details
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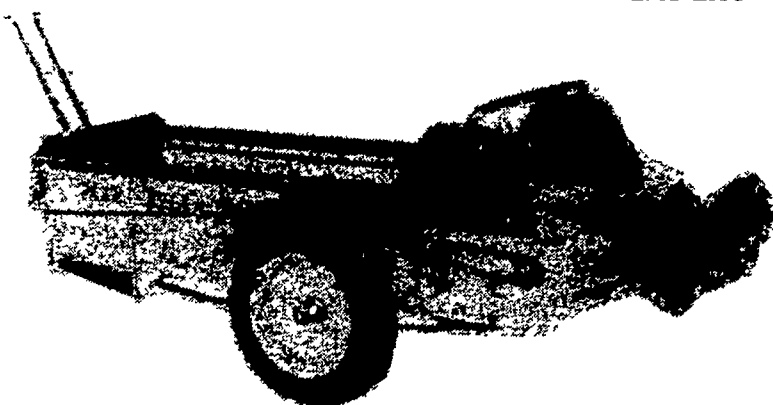
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yours today



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exc. cond.	\$ 2195	new blades	\$ 3750
Ford 7 ft. pull rotary cutter	\$ 495	NI 224 10 ton spreader,	
JD RW 28 disc harrow		PTO	\$ 3795
w/new blades	\$ 695	JD 54 spreader, PTO	\$ 1350
JD BW 36 disc 14' harrow	\$ 1295	NI 214, 195 bu., spreader	\$ 2795
JD 300 Elev. 28 ft.	\$ 495	JD 25 A flail mower	\$ 850

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JD 6620 Hydrostatic Drive, corn soybean combine, fully equipped
JD 444 Corn Head
JD 215 Flexible Platform

NEW COMBINES

1978 ACKII Combine w/12' Grain Head and Robot Head Controls Excellent Condition
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AC G Combine w/13' platform, MECHANICS SPECIAL ~~\$4000~~ \$2000
JD 244 Corn Head

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GOOD USED EQUIPMENT

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Oliver 770 diesel tractor, tricycle front end, good cond
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IH #710 4 F auto reset plow
Good used lawn tractors
55 trailing chisel plow
2 Farmall M
One Massey Harris Model 33
One Ontario Model 1200 16x7 single disc grain drill, good cond.

IH 1440 axial flow combine w/1150 hours, excellent condition.



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Fox Super D w/Diesel engines w/cab and heads
NI 702 Uni System w/diesel engine, chopper and Forage Heads
NI 3 Row Snapper Head, like new
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HI-WAY Cinder Spreaders - All Types

FRINK & VALK Snow Plows

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IHC 820 15' Flex Head, Like New

COMBINES

IHC 315 w/Cab & 2 Row Corn Head
Minn. Moline w/Sheller & 2 Row Corn Head
1975 JD 4400 Dsl., Cab & Air, Very Nice, Choice of H. (SOLD)
1972 JD 6600 Diesel, Cab, Hydrostatic, Choice of Pl. (SOLD)
JD 3300 Cab and Air, choice of 10' or 13' Grain Platform
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JD 4430 4 Post RG, Quad
JD 4320 Dsl. RG Cab
JD 4230 D, Cab, Air & Quad
JD 4230 Dsl.
JD 4000 Dsl. WFE
JD 4020 Dsl. WFE
JD 3020 Dsl. WFE Power Shift
JD 2030 Dsl. RG, 15.5 & 38 Tires

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NH 357, Exc. Cond.
NH 355 Fully Equipped
New \$4850

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MF 24 & 43
AC F430, G430, C#430
AC(SOLD)KF 330
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Pull Type
JD 300 2 Row 30" or 38" corn heads available
NI 325 NR w/Sheller
NI 324 WR w/12 Roll Husking Unit

PLOW

IHC 710 4x16 sp. reset
IH 540 4x16
IH 550 5x16
IH 710 5x16 spring reset
IH 710 4x18 spring reset
IH 720 6x16 spring reset
JD 1450 5x18
JD 2500 5x18 sp. reset
JD 350 5x16 hyd. reset
JD F 145 4x14, 4x16 & 5x16
Oliver 5x16 Spring Reset

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JD 12' AW Disc
JD 12' Roller Harrow
JD 230 Hyd. Fold 22' w/ Leveling Bar
Bush Hog 1438 Heavy Duty 18' Wing Fold

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Rhino 11' Flex
IH 500 12' cut out blk (SOLD)

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JD 243 Snapper Head, like new
JD Adaptor Bundle fits 243 corn head to forage harvester
JD B Grain Drill, 16 opener with grass seed
JD 7000 4 Row Corn Planters Conservation & Regular
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JD FBB Double Disc Grain Drill, fert. & grass seed, very nice
JD 640 Rake with front wheel
MF 235 Loader w/valve control
IH 400 Air Planters Dry & Liquid Fert., Insect., Very Nice
JD 58 Loader w/large materials bucket
IH Direct cut for 560-650 Harvester
20' Speed King Wheel Harrow
Cab to fit 06 and 56 IH Tractors.
IHC 18-38 & 18-34 Duals
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Case 1070 D
Case 1370 C-A-H
Ford 4000 G
IH 660 D
IH 1066 Hydro
MF 2135 Turt
AC 7040 C-A-H
AC 7080 C-A-H

LOADERS

Case 380
1530 Unloader
Unloader Broom
1830 Unloader
1845D Unloader

UNI-SYSTEM

701 Power Unit
702G w/combine
767 harvester
762 row crop
760 hay pickup
743 N corn head
730 4RW Head

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Manure Spreaders
212, 213, 214,
224, 218, 224
325/314 picker sheller
323 one row picker
325/327 Picker
329 Super Sheller

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Gehl 600 harvester
J D. 65 blower
N.H. 1880 SP
MISCELLANEOUS
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NH 320 Baler w/70 thrower, hyd. hillside (1 only).....\$10,150
NH 880W Pickup Head, will fit 880, 890 & 892 Harvesters, 1 only.....\$1550
NH 456 Mower, 2 only.....\$1770
NH 489 Haybine.....\$6675
NH #367 Tank Spreader (Demo).....\$3625
NH 679 Spreader 11:20 Tires.....\$5465
NH 355 Grinder-Mixer, Heavy Duty PTO 11L tires, 1 only.....\$5650
NH 230 Wagon, 8 rims, standard tongue, 1 only.....\$620
Pittsburgh 10' Spring Harrow, 1 only.....\$695
Pittsburgh 10'6" Disk, 1/4" blades, 1 only.....\$2600
Pittsburgh 12' Field Cultivator, 1 only.....\$1295
Oswalt Ensilmixer, 1830 trailer w/scales.....\$9500
Oswalt Ensilmixer, 1830 Stationary w/scales.....\$9390
U.F.T. 72" Flail Shredder.....\$2160
We are also renting a NH# 303 3200 Gallon Tank Spreader.

NH 1895 Self-Propelled HARVESTER, 4 Wheel Drive, Cab, Air, Heater, 3R Head & Pickup Head, 250 H.P. Cat Engine & Meter Detector
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Till June 1, 1982
- NH Harvesting Equipment
w/Hay Head Till Aug. 1, 1982

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Leasing Available

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NH 477 Haybine
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JD 4430 Tractor w/cab
JD 4230 Tractor QR
JD 4010 Tractor WF
JD 4030 Tractor
JD 4020 Tractor P.S.
W.F.

JD 2640 Tractor
w/loader
JD 950 Tractor
Farmall 200 Tractor
w/ftr. Blade & 2B
Plow

JD 1209 Mower Con-
ditioner
JD 485 Mower Con-
ditioner

JD 237 Corn Picker
NI 2R Pull Type Picker
NI Corn Picker
w/sheller

NI #7 1R Corn Picker
JD 1240 4R Plateless
Corn Planter

JD 1240 Corn Planter

JD 1240 Corn Planter

IHC 56 Corn Planter
w/Liq. Fert.

JD RWA Disc

JD BWA Disc

Athens Disc

JD B Plane 15 Disc

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JD 3800 Chopper w/2

row corn hd

JD 34 Chopper w/corn

head

JD 6600 Combine, hyd.

drive w/platform

JD 6600 Combine w/15'

Platform & 443 Corn

Head

JD 6600 Combine w/15'

Platform & 444 Corn

Head

JD 105 Combine

w/platform and corn

head

Woods C114 Rotary

Mower

Woods RM 306 Rotary

Mower

Woods 120 Offset Rotary

Mower

JD 214 Baler w/thrower

JD 24T Baler w/ejector

JD 24T Baler w/ejector

NI 279 Cut/ditioner

JD 2800 6B Plow

JD 145 6B Plow

JD 325 3B Plow

JD 1450 5B Plow

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Harrow

JD 1550 Power Till

Seeder

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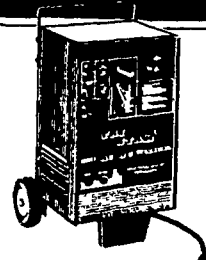
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percent calcium carbon-
ate, less than 1 percent
magnesium oxide,
granulated, dust free,
and easy to handle.
Only \$.375 per ton
loaded on your truck.

Contact
Sundance Agri-Products
RD 3, Box 1368,
Bangor, PA 18013
215-588-8150

FARM EQUIPMENT

TRI STAR™ 230 AMP AC 140 AMP DC WELDER



110-114-001 TRI STAR™
AC/DC Welder
(shown with optional wheel
kit)

- Up to 100% Duty Cycle
- Quick Twin Grip Amperage Control
- Operates all types of AC and DC Electrodes. In-cluding Low Hydrogen
- Optional Wheel Kit Available
- Helmet, Cables and Accessories Included



FARMERSVILLE EQUIPMENT —INC.—

Ph. 717-354-4271

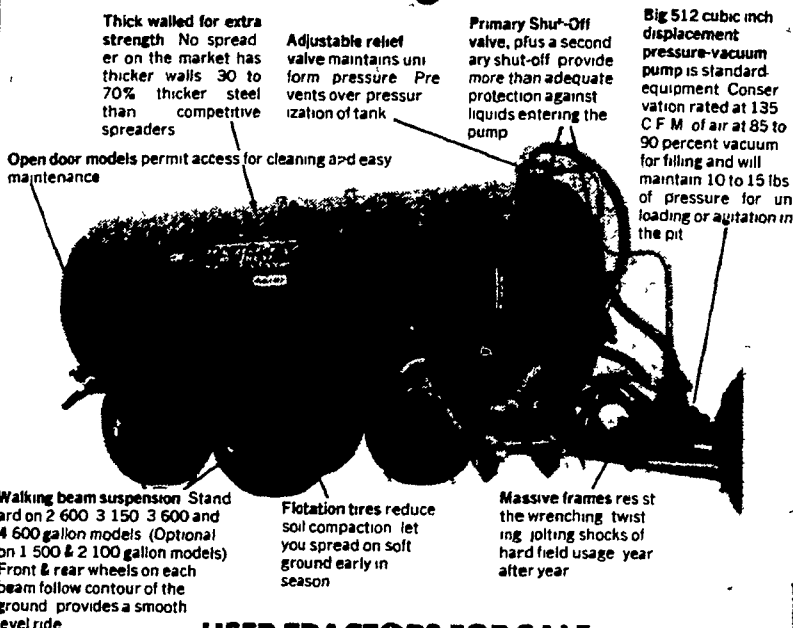
BRICKERVILLE EQUIPMENT

SALES * SERVICE * PARTS

537 E. 28th Div. Hwy. Lititz, PA 17543

717-626-6198

Outstanding Features



Thick walled for extra strength. No spreader on the market has thicker walls. 30 to 70% thicker steel than competitive spreaders.

Adjustable relief valve maintains uniform pressure. Prevents over pressurization of tank.

Primary Shut-Off valve, plus a second any shut-off provide more than adequate protection against liquids entering the pump.

Big 512 cubic inch displacement pressure-vacuum pump is standard equipment. Conservation rated at 135 C.F.M. of air at 85 to 90 percent vacuum for filling and will maintain 10 to 15 lbs. of pressure for unloading or agitation in the pit.

Open door models permit access for cleaning and easy maintenance.

Walking beam suspension. Stand on 2 600 3 150 3 600 and 4 600 gallon models. (Optional on 1 500 & 2 100 gallon models). Front & rear wheels on each beam follow contour of the ground, provides a smooth level ride.

Flotation tires reduce soil compaction. Let you spread on soft ground early in season.

Massive frames resist the wrenching twisting, jolting shocks of hard field usage year after year.

USED TRACTORS FOR SALE

- 1 - JD 4020, good cond.
- 1 - Ford 4000, good cond.

Sizes - 800 gal. thru 4600 gal.
Both vacuum & augermatic spreaders for
truck mount or trailer type

Special - One Only

New 3150 gal. vacuum spreader, trailer type
w/powerful 727 C.I.D. pump, 1000 RPM & 6"
suction hose and loader port.
List price w/freight \$17,348

SPECIAL \$12,580

CALL US FOR YOUR NEEDS OF

- Farrowing Crates
- High Pressure Pumps
- Lagoon Pumps

FORAGE WAGON WOOD PARTS

Wood Mill Corp. supplies wood repair parts for all makes of forage wagons. We have successfully completed many partial or complete wood parts repairs this year for dealers and farmers who own:

New Holland
Kasten
Arts Way
Rex

Gehl
Lamco
IH

Deere
Dion
Badger

You can buy completely made up and painted sides, floors and tail pieces or whole sets as needed. Install yourself or have us do it. All parts meet or exceed factory specifications. All work is done by experienced forage wagon buildings who regularly supply equipment to New Holland, IH, Gehl, Arts Way, Kasten. Call or bring your forage wagons in for an estimate.

WOOD MILL CORP.

RD 1 Farmersville Rd, New Holland, PA 17557

717-354-4919

Nothing runs like a Deere

THIS WEEK'S SPECIALS
NEW JD 4040 TRACTOR
WHITE 4-180 TRACTOR
WHITE 2-155 TRACTOR
NEW JD 4040 THRU 8640
TRACTORS NO FINANCE CHARGE
TILL JUNE 1, 1982

USED TRACTORS

White 4-180
White 2-155
IH 656 Hydro.
Case 885, 500 hrs.
JD 2840 w/Loader
JD 2840

JD 720D w/337 Corn
Picker

CORNPLANTERS

JD 7000 w/No-Till
JD 1240
JD 1260
JD 494A

HAY & FORAGE EQUIPMENT

NH 1895 Sp Fg.
Harvester w/3
heads
JD 35 Fg. Harvester
w/N2 head

JD 3800 Forage

Harvester w/2RN

Fox 2200 Fg. Harv.

w/2 heads

NH 3RN Corn Head

JD 244 Snapper Head

for Fg. Harvester

NI Side Rake

NH 1010 Auto Bale

Wagon

NH 276 Baler, no

thrower

NH 273, 271 & 269

Balers

w/Throwers

OMC9 Mower Cond.

JD 1207 Mower Cond.

JD Hay Crimper

NH 1469 SP Haybine,

w/Ford Water

Cooled engine

NH 469 Haybines

Hesston 1010 Swing

Tongue.

USED TILLAGE

9 Shank Soil Saver

MISCELLANEOUS

15 HP 3 phase elec.

Motor

JD 34 Spreader w/

Hydraulic end-

gate

Davis Seat Back

Loader

JUST ARRIVED

JD 7000 4R & 6R Con-

servation Corn

Planters

NEW TRACTORS

JD 4240 SG, Power
Shift
JD 4040 4 Post, QR
JD 2440
JD 2240
JD 1050

NEW HAY & FORAGE EQUIPMENT

JD 506 & 1008

Gyarmor Mower

JD 1209 Mower Con-

ditioner

NH 718 Fg.

Harvester

JD 3940 & 3960 Fg.

Harvester

JD 337 Balers

NH 315 & 320 Balers

Bale King Bale

Boxes

JD 2420 Sp. 12' Dal.

Mower Condi-

tioner

NH 489 & 495

Haybines

JD 567 Wheel Rake

NEW TILLAGE

JD 950 Roller Har-

row

NH D100 Disc Har-

row

JD 2600 & 2700 4B

Plows

JD 1600 Chisel Plow

JD 115 & 215 Disc

Harrows

JD 336 Lever Har-

rows

NEW SKID STEER LOADERS

Bobcat 530, 642, &

743.

NEW SPREADERS

NH 329, 519, & 791

JD 392 Spin

JD 450 Hydro Push

Martin V Type &

Scavenger

NEW MISCELLANEOUS

JD 335 Skid Sprayer

Most Model JD

Loaders & Blades

EZ-Flo Gravity

Boxes

CLEAN ENERGY WASTE OIL BURNER.

Now You Can Burn Your

Waste Oil for

Heating.

Call for details.

No Finance Charge On New &
Used JD Tractors Till March 1, 1982

No Finance Charge On NH - Forage Till
March 1, NH Hay Tools Till June 1
JD Hay & Fg. Equip. Till May 1.

CLUGSTON IMPLEMENT, Inc.

1 Block off I-81 Exit 8
Chambersburg, PA 17201
Phone: 717-263-4103



STEVEN
NEW HOLLAND



NEW EQUIPMENT IN STOCK

- JD 850 22 h.p.
- JD 2440
- JD 2940
- JD 4040 Cab, Q.R
- JD 4240 Fenders only
- JD 4240 Cab, Quad
- JD 4440 Cab Q.R. Radials
- JD 6620 Comb(SOLD)
- JD 25 Combine Header
- Transport
- JD 7720 Combine
- JD 643 Corn Head
- JD 653A Bean Head
- (2) JD 216 Flex Platform
- (2) 7000 6R Conv. Pitr.
- (6) JD 7000 6R Reg. Pitr.
- (1) 27 JD 7000 12R
- Planter Ft. Fold
- JD 7000 4RW Planter
- JD 3960 Fg. Harvester
- JD 510 Round Baler
- JD 347 Baler
- JD 1209 Mower Cond.
- JD 215 11'5" Disc
- JD 215 12'10" Disc
- JD 235 17'1" Disc
- JD 235 19'11" Disc
- JD 235 21'4" Disc
- JD 331 24'2" Disc
- JD 2600 5x16 Plow
- JD F45 2x14 Plow
- JD 9' 534 Bulldozer Blade
- JD 75 Loader
- JD 415 Rotary Hoe
- 3-JD 606 Rotary Cutters
- JD 609 Rotary Cutter
- JD 1008 Rotary Cutter
- JD 65, 95, 115, Blades
- JD 145, 146, 168, 260
- Loaders
- JD 272 Rotary Mower
- Woods 214 Mower
- Woods Center Mtd.
- Mower for JD 650
- Woods RM59 5' 3 pt.
- Mower
- Brillion 25' folding packer
- (2) Brillion 6R Cultivators
- (2) JD 1065 Wagons
- JD 1075 Wagon
- JD 716 Fg. Wagon
- JD 90 Skid Steer Loader

CFH, INC.

East Main Street
Cecilton, Md. 21913
(301) 275 2195
648-5416 755 6608
Evenings & Weekends
Call Gary (301) 885 2248

FARM EQUIPMENT

SPERRY
NEW HOLLAND

USED EQUIPMENT
NH 770 Harvester w/2
Row Head
Hesston PT10 Haybine
NH 315 Baler
w/thrower, (Demo)

USED DISCS
2311 AC
Taylorway 10'

USED TRACTORS
AC 175
Ford Jubilee
Used Lawn & Garden
Tractors w/mowers

**NEW EQUIPMENT
AT USED PRICES**
Many Models
New Holland
Spreaders

NEW EQUIPMENT
Amco Disc
Bale King Hay Wagons
NH Skid Loaders
Hub Tool Elevators
formerly N.H.
Gleaner F Combine

**NEW HOLLAND
MANURE
SPREADERS**

NEW TRACTORS
AC 7045
AC 5050
AC 7010

**BHM FARM
EQUIPMENT INC.**
RD1, Annville, PA
717-867-2211



SPERRY NEW HOLLAND

TRACTORS
Ford 8600 Dsl.
Ford 800 Select-o-Speed
Ford 3000 Diesel
Ford 4000 Diesel SU
Ford 4000 Diesel
Ford 960 Tricycle
Ford 861 Diesel
Ford 860 Gas
Ford 8N
Ford 9N
Ford A64 Wheel Loader,
2 1/2 Yd. bucket, 480
hrs.

Farmall H w/Loader
Farmall M
Ford 370 Truck engine
w/12,000 miles

EQUIPMENT
(2) Landoll Soil Savers
11'
Glencoe 9 Tooth Chisel
Plow

Ford 4500 Backhoe /
Loader, Excellent
(2) Ford (Demo) Skid
Loaders C-L30, C-L40
Massey 82 Combine
w/2R Corn Head
New Class Combine w/4
Row Corn Head
Case 666 2RW Corn
Head & 11' Grain
Head

JD 340 Offset Disc 13'
IHC 8' Offset Disc
(2) Ford 142 Plows, 6
Btms., Auto reset on
Land Hitch
Lawn & Garden
Tractors w/Mowers

New
Holland
Skid Steer
Loaders
At Last
Year's
Prices

**CHARLES S.
SNYDER INC.**
RD 3 Tamaqua, PA
18252
Phone: 717-386-5945

FARM EQUIPMENT

1655 Oliver, low hours,
excellent condition 215
445-5898

Combine JD 3300, 422
hours, looks like new
814-926 3669

For Sale JD 820 2
cylinder diesel rebuilt
Allied 350 front end
loader for MF 65 175 NH
352 grinder mixer 814
766-2575

JD 55 combine, round
back, 13' Hume reel
Extra parts, \$2000 4
btm, JD mtd. plow \$350
215-348 5514

FARM EQUIPMENT

WANTED
Used
**IRRIGATION
PIPE & PUMPS**
Send your
inventory and
price to
ECCO, INC.

4021 N. 6th St.,
Harrisburg 17110
717-238-9423



USED TRACTORS
International 504
JD 520
JD 4430 w/creeper
gear
JD 4240 like new

**TILLAGE
EQUIPMENT**
JD F145 5x16 semi-
mtd. plow
JD 4x16 power reset
plow
JD 3x14 Mtd. Plow
AC 4 bottom mtd.
plow \$495
AC 4 bottom snap
coupler plow \$295

PLANTERS
JD 7000 4 row
JD 1240 4 row
JD 1250 6 row narrow
JD 494 A 4 row
JD 494 and 6 row
narrow

SPRAYERS
Walsh 3 pt. 165 gal.
**HAY & FORAGE
EQUIPMENT**
NH 450 3 pt. Mower
JD 24T baler
w/ejector
Hesston 4500 Square
Baler w/thrower
IH 47 baler

**FORAGE
EQUIPMENT**
NI 603 forage box
JD 34 forage har-
vester, make
offer
JD 3800 forage
harvester
CORN PICKERS
NI 324 picker sheller
2 row, like new
SPREADERS
JD 870 A Flail
Spreader Tandem
Axle 1061 gal.
capacity, good
cond.

JD 40
JD R
AC PTO

DISC HARROWS
JD RW 28 blade
JD 7' offset pull-type
Case 24 blade
ROTARY MOWERS
JD 1508 15' fold-up
LOADERS
JD 168, Lake New
JD 45
SCRAPER BLADES
Stockland 6' \$150
Dunham 7'

**NEW EQUIPMENT
SPECIALS**
JD 2640 tractor at a
1980 Price
JD 4040 tractor at a
1980 Price

JD 1250 3 btm. plow
JD 2600 5 btm. plow
JD 225 12' offset disc
JD 11' pull-type
chisel plow
JD 609 pull-type
rotary mower
JD 709 3 pt. rotary
mower

JD 1008 10' pull-type
rotary mower
JD 51 post driver
JD 1209 mower
cond., \$6495
JD 1320 disc mower
JD 143 loader, \$1595
JD 445 flail spreader,
\$3725
JD 465 flail spreader,
\$4295

JD 714A forage
wagon
JD 8300 drills 14x7,
18x7 & 21x7
Bushog 5' rotary
cutter
Bushog 206 R 6' 3 pt.
rotary cutter
Bushog 126R 10' pull-
type rotary
mower
Brillion 12' spring
tooth harrow
Brillion 16' spring
tooth harrow
Transport at-
tachment for
Brillion cultipac-
ker

COMBINE SPECIALS

JD 205 corn for JD 40 combine
JD 45 w/10' head & 235 corn head
JD 55 w/210 corn head
JD 4400 w/13' grain head

Used Tractors And New
JD Utility Tractors
Available Till March 1, 1982
New JD Row Crop Tractors
Waiver of Finance Available
to 6-1-82

Used Combines
Waiver Available to
6-1-82
Waiver of Finance
Available on all
hay tools & planters
Call for details

Call for Details on
the new JD variable
rate financing plan.

PAUL NEUHAUS'ES INC.
John Deere Sales
& Service
RD2, York, PA 17403
Phone - 717-428-1953

FARM EQUIPMENT

FARM EQUIPMENT

UNICORN FARM SERVICE

JAMES E. LANDIS

PATZ SALES & SERVICE
TERRE HILL SILOS
QUARRYVILLE, R.D.#2, 17566
CALL 786-4158

**MANUFACTURERS OF FARM
MATERIAL HANDLING EQUIPMENT**

Gutter Cleaners
Manure Stackers
Manure Pumps
Manure Spreaders
Liquid-vators

Silo Unloaders
Cattle Feeders
Material Movers
Conveyors



NEW SPECIALS

519 NH manure spreader
310 NH baler
165 bu. and 230 bu. gravity flow boxes
6 ton wagon chassis

USED SPECIALS

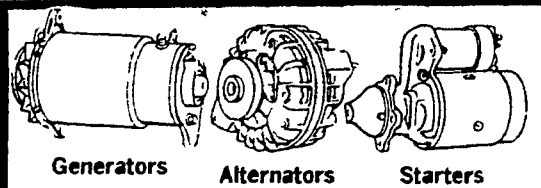
717 NH forage harvester w/2 row corn
head and pick-up head
MM 2 row picker sheller
Pasqualli tractor w/3 pt. and loader
Beaver II diesel w/under mounted mower
1050 Bolens tractor w/42" mower
Gehl grinder mixer

Ask for special prices on items
listed above.



EDWARDS FARM EQUIPMENT

291 W. Moorestown Road
Route 512 At Clearfield,
Nazareth, Pa. 18064
Phone 1 (215) 759-0240



Generators Alternators Starters

We will repair or rebuild your tractor
diesel or truck starter, generator or al-
ternator. We can return by UPS. All work
guaranteed.

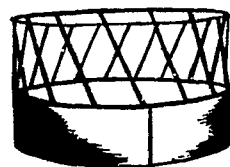
EXPERT REPAIRS PEQUEA BATTERIES

Ronks, PA 17572

SCRANTON

ROUND BALE FEEDERS

"The Farmers Favorite"



**SAVE UP TO
57%
Of The Hay
You Feed**

- Cuts hay waste
- Slant bar design
prevents animals
from crowding
- Built of 1 1/4" square
tubing, stronger than
round tubing

- Cattle rarely pull
hay out
- can be used for feed
silage and square
bales

SPECIAL FALL PRICES!

RED WING FARMS

RD #1378, Fleetwood, Pa. 19522 215-944-0791

★ **Waiver of Finance on New & Used Tractors
Until 3-1-82 + Cash Rebates Just Announced**

★ **Waiver of Finance on All New and Used Hay and
Forage Equipment 'Till 5-1-82**

★ **Waiver of Finance on All New and Used Loaders,
Spreaders, Grinder-Mixers 'Till 4-1-82**

★ **Waiver of Finance on All New and Used Planters 'Till 4-1-82**

★ **WAIVER OF FINANCE ON NEW COMBINES
'TILL 9-1-82 OR 13.9% FINANCING. CALL FOR DETAILS**

In Stock and Ready to Go

**Used 1460 combine, 900 hrs., excellent cond. Waiver of
finance available until 9-1-82!!**

New wide front ends for Farmall 06, 26, 56 Series

1460 at 1980 price—WE WILL BEAT ANY PRICE ON ANY COMPETITIVE MACHINE
1440 & 1420 \$7000 cash rebate

New Tractors in Stock at Reduced Prices

3388 MUST SELL. Call for price
986 w/cab
686 Farmall

784 row crop
584 row crop
H84 row crop

IH SHIPPER'S TWINE
"Finest Twine You Can Buy !!"
Was \$28.50
NOW \$24.85

**NEW CUB CADETS IN STOCK
AT REDUCED PRICES.**
782, 582, 382, 282 & 182.



United Parcel Service

M & R EQUIPMENT, INC.
NEW PARK, PA

Ph: 717-993-2511 - 717-246-1972
(After 6 P.M. Call 301-452-8693)

PAID

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

FARM EQUIPMENT

RENTAL

**SPECIALIZING IN RENTAL OF
SKID
LOADERS
&
BACKHOES**



STOLTZFUS MFG. CO.

R.D. #1 Box 700
Honey Brook, Pa. 19344
Phone - 215-273-3376
or 215-273-3050

Used Tractors:

John Deere 4520, 4430, 4320, 4030, 1520, 2030 w/loader, 2510, Large Selection of 4010's, 3020, 3010, 60 with 3 point hitch. Farmall 1066, 966 with cab, 806, 826, 460, 450, M. H. Allis Chalmers 210, Ford 8N & 9N, 9000, MF 180, 175.

Used Combines

4400 gas Rotary screen, Massey Ferguson 300 with Quick Tach heads (sharp) 2, 3, 4, 6 row John Deere corn heads, 6 row IH head to fit 815 or 915.

Used Trucks:

1974 Chevy w/new 16' grain body & hoist, 427 engine, 5 spd. trans., 2 spd. rear. 1971 International 1800 with new 14' Body & hoist. 1978 GMC, 5 sp., 2 spd. rear, 366 motor w/air brakes, new 16' body & hoist. Ford Louisville w/24' Schwartz roll back,

Used Plows & Disks:

1450 John Deere 7 Bottom. Large selection of John Deere 5, 6, & 7 Bottom. Athens 21' Hyd. Fold disk. IH 470 18' Disk. Large selection of smaller John Deere disks.

John Deere 950 15' Mulcher also 12' 950 mulcher. Brillion 18' spring tooth on rubber. Used year around cab for IH 766-1566. Large selection of Fox choppers & head. Good supply of Fox Parts: Fox 3RN corn head, NI 3RN head for chopper. New Fox flail attachment. New Gehl, Fox & Badger Equip. Gehl 95 mill. John Deere 1240 Plate & Plateless corn planters. Over stocked on lids for Hawk spreaders, exc. cond. JD model 2500 6 btm. 18" auto. reset plow. GSI grain bins and augers. NI Corn pickers: 2 row wide & narrow

D & R EQUIPMENT INC.

Ringoes, New Jersey
(201) 782-5082



HESSTON
FARM EQUIPMENT

FIELD QUEEN
FORAGE HARVESTERS

NEW MACHINERY

Hesston
7150, 7160
(Attaching heads for all)
16' forage wagon
Round Balers. 5540 & 5580

Bale movers
4600 baler w/thrower
Mower Conditioners:
1071, 1091
New 7600 Field Queen harvester, & all attaching heads
Allis Chalmers

5040
5045
5050 w/4 wh. drive
5050 orchard tractors
175
6080
6080 4 wheel drive
7010, 7045
7580

Discs. 2300, 2500 & 2600 series

New M2 corn plus combine

Kubota
B 6100 w/4 wh. drive
B 6100 HST 4 wh drive

B 6100 HST 2 wh drive
B 7100 HST 2 wh drive

L 345 4 wh drive + loaders, mowers, accessories

Bobcat
530
743
310

New Idea
802 Uni System
Uni System Plats

Combine
Chopper
1 row pickers
2 row pickers

Elevators
Spreaders: 213, 214, 212, 243, 244, 245

Allied
GT grain dryer
Moore no till drill

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530
743
310



AVCO
NEW IDEA

KUBOTA

AIRVILLE EQ. INC.

PO Box 37 (Rt. 74)
Airville, PA 17302
717-862-3358 or
862-3967

USED MACHINERY

AC WD tractor
AC B tractor w/Woods
L306 mower deck

AC 185 w/loader
656 IH w/loader
2- Hydromac Skid
Steer Loader

AC C combine w/4 row
corn head & 13'
grain head

Gleaner L combine
w/15' grain hd., 4
row narrow corn
hd

83 Massey combine
grain platform w/2
heads

IH 440 baler
w/thrower

Hesston 500 SP
mower cond.

NI 272 cutditioner
IH 990 mower cond.

NH 1010 bale wagon
White 5 btm. hyd.
reset plow

Oliver 4 btm. hyd.
reset plow

MF 3 btm. hyd. reset
plow

NH 717 forage har-
vester on 1 row hd.

IH 555 forage har-
vester w/2 hds.

702 power unit and
chopper and choice
of heads

NH 718 with new 1 row
head or 2 row and
pickup

AC 6' pull type rotary
mower

JD 36' elevator
w/motor

Taylorway 8' disc

Bobcat
530
743
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1 row pickers
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Elevators
Spreaders: 213, 214, 212, 243, 244, 245

USED EQUIPMENT

Ford 3600 8 sp. diesel, w/730 loader
Ford 6700, 16 speed
(2) Ford 9000, Both Very Good
Ford 7600, 1400 hrs., excellent
Owatonna 1700 Skid Steer Loader New
Short Block, very good
Several good semi mount. plows
Ford 9600 cab, air and duals
Ford 881 diesel w/loader



DUFFY FORD TRACTOR, INC.
Rt. 404-1/2 mile East of Rt. 50
Wye Mills, MD
301-820-2000

**TRIPLE-R FARM
EQUIPMENT**

JD 4020 (SOLD) WF side con-
IH 1456 dual 18.4x38
tires
JD 70 WF PS
Case 830 D (SOLD)
Amco 20' wing disc, new
22" blades
IH 5 btm 14" semi-mtd.
plow
JD rear weights
IH front & rear weights
No Reasonable Offers
Refused
717-786-2534

**INTERNATIONAL®
AGRICULTURAL
EQUIPMENT****NEW TRACTORS IN STOCK**

5285 w/C&A 3 Valves & Radials & 160
hp.
3688 w/Cab & Air 18.4x38 Tires, 110
Hp.
(2) 1086 w/C&A 20.8x38 Tires, 130
Hp.
886 w/ROPS 18.4x38 Tires, 90 Hp.
(2) 784 RC w/18.4x30 Tires 67 Hp.
584 RC w/16.9x30 Tires 52 Hp

ALL TRACTORS WAIVER OF INTEREST 'TILL 3-1-82

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Cu' \$4835 \$3650
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(2)-620
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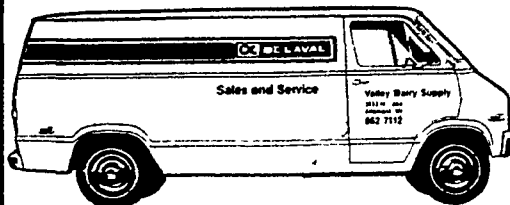
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600 gal Girton bulk tank
with 5 hp Lehgh com-
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pipeline for 60 cow barn
complete with valve 215
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440 gallon round milk
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barn 302-492 3287

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LARGE QUANTITIES OF SAWDUST AVAILABLE

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Now treating cattle
is simple and easy
Can be adjusted for
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For Sale calf hutches
with feeders on side door,
\$80, plywood feed bins
built to order Elam
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custom built, since 1965,
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conveyors and tapered
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wagon beds, hay or flat
beds Samuel K Stoltzfus,
550 Beechdale Road,
Bird in Hand, RD #1, Pa
17505

LIVESTOCK EQUIPMENT & SUPPLIES

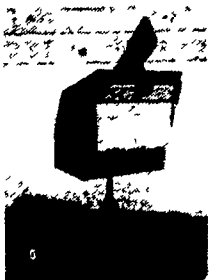
Kencove high tensile sup-
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18"x28" with 16 ga.
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2 compartments,
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heavy all pipe,
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\$165.00

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30 Miles

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bale or truckload
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Registered Holstein Bull,
born 7/23/80. Sired by
Jemini, Dam VG Monarch
daughter 301-387 9301

For Sale 3 bred grade
Holstein heifers due Nov,
Dec, Jan 215-377-4549

Service age bulls by
Milestone & Marvex from
VG dams w/records to
25,000 milk Lancaster
County 717 687-7845

For Sale - 30 Holstein
Feeder Steers, 6 to 800
lbs., Potter County,
Phone 814-435-2314

For Sale - herd of 25 reg
cows, some scored vg,
records to 24,000 lbs
Call J W Gooch 814 274
9753

For Sale 7 young Angus
cows Bred for spring
calving 1 Angus stock
bull 2 yrs old 1-Angus
bull 6-month old Berks
Co 215-693 5624

Registered Belted
Galloway Cattle, ex-
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Foragers Yearling bull
\$600, yearling heifers
\$650 Robert Boyer, RD
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19425 215 827-9298

For Sale 2 registered
Holstein heifers 1 sire
son of Astronaut, Dam's
sire Fleetridge Monitor
bred to Sooner Elevation
Chip, due Dec 3 1 sire
Lime Hollow Elevation
Mars Dam's sire
Woodbourne Lass
Reflection Dam's record
16,360 3 8 625 fat Bred
to SWD Valian due Dec
25 Call after 5 or
weekends 717 549-4651
Howard Sparling, Tioga
County, Mansfield, PA

For Sale - 30 registered
and 15 grade Holstein
RHA 16,700, 650 fat 2
Arlinda Chiefs, 2
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Records up to 31,000,
1081 fat Garfield Van-
derpool Towanda, PA RD
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20 registered Polled
Hereford cows due to
calve in spring Good
milkers 201-439-3017

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Dairy Cows For Sale - 1st,
2nd, and 3rd calf Fresh
and close springers Cash,
or credit with down pay-
ment Specialize in selec-
ting cows for customers.
Free delivery Call collect.
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Wanted - Entire dairy
herd, also, bred Holstein
heifers Will pay \$25 more
per head than the going
price. Don't sell until you
call me Call collect -
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Wanted - Herd of dairy
cows or heifers,
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check the advertisements
for cattle in the Lancaster
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Holstein bulls from top A1
sires, many available to
select from Star Rock
Farms, John Barley 717
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Simmental Percentage &
Purebred bulls, cows,
heifers & club calves by
leading AI sires Per-
formance tested Edward
Pierce, R D 2, Neshanic
Station, NJ 201-369-4039

Service age registered
Holstein bulls by Pete,
Star, Astronaut, Glendale,
Chief and others Dams
classified very good with
records over 29,000 lbs
milk and 1195 lbs milk
fat Stumpland Farm 215-
488 1965

Chianina Angus Cross for
sale Cows, heifers, feeder
calves and bulls 717 872
5655

24 yearling heifers,
vaccinated and dehorned,
\$500 215-932 2764

Big, Growthy 1981
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Calves for sale Show
quality and feeders
available Reasonably
priced Honey Run Farms,
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For Sale - Large choice
Holstein heifers, bred &
open, over 350 to choose
from Harmony Dale
Farms, Phillipsburg, NJ
201 859-2616

7 First calf Holstein
heifers, fresh in
November 717 263-
9091

Farm fed beef or sale
delivered at butcher
shop! One two month
male long haired
chihuahua, very cute
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20 Angus cows for sale
Bred for March calves
Complete performance
figures on all cows 215-
942-5905 days 942-3187
evenings

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Bison (Buffalo) breeding
stock, two bulls, 1 bred
heifer Lancaster 215-
267 2553

For Sale Registered
Angus bull, DS Band
1608, three years old,
good temperament, has
produced rugged easy
calving offspring, \$1000.
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Registered Angus and
commercial cows due to
calve in March Also
registered Angus bulls
Price negotiable Tioga
County 814 326-4515

CATTLE

For Sale - 4 Registered
cows, 2 Elevations
classified DHIA, also 4
heifers Phone 717-866-
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Bull for sale Registered
Holstein 14 mo old \$400
Phone 717-739-2247
Schuylkill County

Registered Santa
Gertrudis bull 15 month
has been shown Fine
beef animal Makes good
commercial breeder 717-
642-5894 after 5 PM or
before 7 AM

For Sale - 21 Registered
and IE Brown Swiss cows,
heifers AI sired and bred,
top sires represented,
young, classified 302-
678-1065

Angus feeder steers, 2
select from 4 ranging from
about 450-750 lbs
Chester Co 215-942-
3025

For Sale - 24 beef heifers
14 Charolais & 10
Herefords weighing
approximately 800 lb.
Lebanon County Call
717-367-7769

Wanted 1 reg Shorthorn
heifer calf, 1 reg Ayrshire
heifer calf suitable for 4-
H showing next summer
Send reply to Box 366 A-
20, c/o Lancaster Far-
ming, Lititz, PA 17543

Holstein cows due in
January 301-452-8509

For Sale - 2 Reg Holstein
heifers sired by Milo and
Pacemaker Bred AI Due
in Nov Price \$1500 each
One 12 mo Reg Holstein
bull Sired by Milo Dam
VG-85 EX-M Price \$700
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County

Chianina bull VCR Filetto
304, Reg 1974 Dam Miss
Karen, Also Chianina X
Hereford bulls Contact
M&W Farms War-
fordsburg, PA 17267
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For Sale 2 Holstein
feeder steers, 700 to 800
lbs., 60 cents/lb Tran-
sportation available
Lebanon County 717
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6 Holstein heifers, 1 fresh
5 due Nov & Dec Shots,
records & health charts
RD 1 Cogan Station, PA
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Due to selling farm have 5
Holstein heifers, 19
steers, all home raised
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Angus cows with calves,
young bulls, reasonable
301-658 6789 Call 7 00
8 30 A M

10 Holstein Heifers 11 to
15 mos \$425 for choice
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old reg Holstein bull 302
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For Sale Herd of young
Holstein cows, home
raised AI breeding Must
be sold before January
1st but can hold herd
until Spring for buyer
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For Sale Guernsey cow,
good family cow 1st calf
York County 717-244
8838

3 Registered Fresh
Holsteins for sale Milu
Berty Ivanhoe Chief dau
Plushanski Persuador
dau Arlinda Jet Stream
twin Records set to
21,000M, 1000 lb fat
Trucking available Call
evenings 717-284-2309

For Sale - 40 head of cows
and heifers including 7
first calf heifers, 6
registered cows, 9 dry
cows due Nov to Jan
Average age 3 1/2 years
old, milking 51 52 lbs per
day DHIA herd average
14,000 Vet examined, TB
and blood tested within
30 days - Lots of Fall and
Winter milk Ready to be
moved 717-393-0930

Service age reg Holstein
bull, out of excellent dam
717-665 3778

For Sale - 15 open
Holstein heifers, will trade
on springing heifers 717
229-2055

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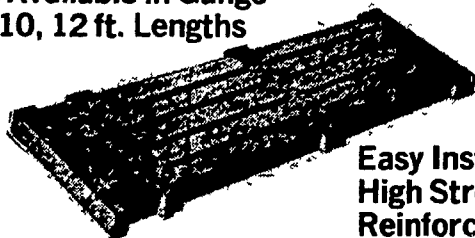
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Tri-State Area

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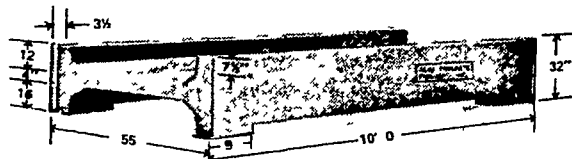
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Racking mare, 13 yrs old, paint looking in color, flaxen mane and tail, 15 3 hands, has been bred to a reg. Palomino Racking Stallion, also, reg. Quarter Horse gelding bred and raised in Colorado. Both horses with exc. disposition. Will deliver animals. 814 754 8074

For Sale - 5 yr old Chestnut Saddlebred carriage horse, \$825. Jacob Lapp, 98 Old Leacock Rd, Harvest Drive Crossroad, Ronks, PA

King Ranch western saddle in very good condition, \$350 or best offer, also, US Army saddles in good condition, \$275. Lanc Co. 717 442-4259

Horse and Tack Auction. Sat Nov 21 - 6 P.M. Thomasville Livestock Market Rt 30, 5 miles west of York. 717-334-7724

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WOODBRIDGE FARM
York Co., PA
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Stallion Service
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Barks Co.
Bernville, Pa. 19506
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SHEEP & GOATS

HORSES & MULES

HORSES & MULES

SWINE

Pennsylvania Draft Horse & Mule Association Sale
February 17, 1982
Blizzard date - February 18, 1982
Pennsylvania State Farm Show Building - Corner of Cameron and McClay Street, Harrisburg, Pa.
Tack - 9:00 A.M.
Horses - 12:00 Noon

TERMS - Tacks and Draft Horse related items - 10% with Maximum Commission \$50.00.
Horses - \$25.00 to accompany consignment.

If no sale - no refund. 4% commission - Maximum comm. \$120.00.

\$25.00 entry fee to be deducted from commission.

Catalog Deadline Jan. 1, 1982
Consignments will be accepted until 10:00 A.M. February 17, 1982.

Horses will be sold in order of consignment.

Negative Coggins Test and Health papers within 6 months must accompany horses.

CONTACT

Elmer D. Lapp
Box 97 R.D. #1
Kinzers, Pa. 17535
717-768-8177

W. David Keller
R.D. 2 Box #1
Hummelstown, Pa.
17036
717-566-0529

Gail Biddle
Box 242 R.D. #1
Boalsburg, Pa. 16827
814-466-6215

Abraham W. Allenbach
R.D. 2 Box #55
Springs Mills, Pa.
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SWINE

Feeder Pigs - 30-40 lbs. docked and castrated, mostly Yorkshire and Landrace crossed, graded mostly ones and twos, farm raised \$30 each. Will deliver 50 at a time. 703-778-2424 after 6 P.M.

For Sale - purebred spotted service age boars, delivery available. 717-365-3234. Clair Hartman, Gratz, PA

For Sale - Duroc service age boars, sired by Midwestern bloodline. Fast gaining, aggressive breeders. Pseudorabies free herd #34, validated #133, delivery can be arranged. Rick Plautz, Stevens, PA 215-267-3739

For Sale - eight bred sows will farrow last week in Dec. to first week in Feb. York and Hampshire cross \$250. Hampshire and York Boar year and half old \$175. York County 717-235-1437

Registered Hampshire, Yorkshire, Landrace Boars, Bred and open gilts, also Rams, Ewes. Preston Bankert 717-244-1244

For Sale - Purebred Yorkshire boars, bred gilts and open gilts, carcass championship bloodlines. Willow Glen Farm, Rt. 2, Strasburg, PA 717-786-2562

Reg. Yorkshire Boars, Bred Gilts, and Open Gilts. Will deliver Red Run Farm, RD #2 East Berlin, Pa. 17316 717-292-4634 York Co.

DUROC BOARS and gilts, production tested, certified meat type show winning stock. Bloodlines of the best in the U.S. Park Farm, Park F. Thomas, Beavertown, Pa. Phone 717-658-6544

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For Sale - Feeder Pigs. We aim to please. 304-586-2823

SERVICE AGE BOARS. Straight Irish or other foreign bloodlines. No U.S. breeding in our herd. Reno H. Thomas, Brooks End Farm, Beavertown, Pa. 17813. Phone 717-658-5821

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YORKSHIRE AND LAND-RACE boars and gilts of all ages. Pseudorabies negative tested boars for sale at all times. Production tested, certified meat tested, Show winners with many carcass champions. Daily drive-in and drive-out service. Reno H. Thomas, Beavertown, PA 17813 717-658-5821

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HOSTETTER'S LIVESTOCK SERVICE
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All animals slaughtered under federal inspection

ATTENTION DAIRYMEN - ALWAYS AVAILABLE
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REG. HOLSTEIN BULL
Service Age
Dam - excellent 5-2, 28,940M, 4.2% 1219F, 4 records over 1000 lbs. fat, 4-1% test, next 2 dams excellent, sire-Excellent Jewel, +836M, +293 T.P.I.
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Two 18 month polled Purebred Charolais Bulls
Stauffer Homestead Farms
Rte 2 East Earl, PA
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1 year old Reg. Red & Wh. Hol. Bull.
Sire Alban Red. Dam Aris Daught.

Delivery in Pa. Available

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Florence, VT 05744
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Established Quality Breeding Stock
Cows, Pairs, Heifers, Club Calves, Feeders, Proven Bulls.
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HERD REDUCTION SALE
of Quality Angus Cattle
3 proven herd sires, 1g selection of yearling bulls, 1g. group of bred cows, bred to top AI bulls

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Rt 3
Elizabethtown, PA 17022
717-367-1552 days
717-367-2174 evenings

SHEEP & GOATS

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Total Sheep Flock For Sale - 50 head, mixed breed, Suffolk and Dorset sire breeding stock and fat lambs at Chenango Co. NYS. Call office and I will call back. 201-854-2900

Milk Goats Wanted - fresh or dry. Call 215-857-3463
1 registered Corridale ram (1 of twins) Call 215-536-4203 after 6 PM

Suffolk ram - 2 yrs old, proven sire, good size and conformation. 717-626-8926

For Sale - billy goat, 1 1/2, wether goat, 8 mo. 717-921-2810 Dauphin

Nubian Buck Service, ADGA purebred, guaranteed, \$25. Dam's official record 305 days, 3453 milk, 186 butterfat. Breeding stock available. Gettysburg 717-334-7993

For Sale - Registered Suffolk's bred yearling ewes & mature ewe lambs. A few older ewes & 2 rams also available. Also a two hole corn sheller. 301-378-3178

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DUE TO A CHANGE IN OUR FARMING ENTERPRISES, WE ARE RELUCTANTLY FORCED TO REDUCE THE SIZE OF OUR PUREBRED SHEEP PROGRAM. ALL EWES WITH ANY PROBLEMS HAVE BEEN ELIMINATED, SO TO OFFER YOU QUALITY, PREDICTABILITY, AND PROVEN BLOODLINES.

FOR SALE:

- 12 BRED SUFFOLK YLG. EWES
- 80 BRED MATURE SUFFOLK EWES
- 15 SUFFOLK EWE LAMBS
- 8 BRED HAMPSHIRE YLG. EWES
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- 10 HAMPSHIRE EWE LAMBS

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- PRICED TO SELL
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- ALL BRED TO LAMB IN JANUARY



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FEEDER PIGS FOR SALE
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SPECIAL Save on Whitmoyer Vaccines

50 dose Artrin-P	\$11.70
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SWINE

125 Hampshire Yorkshire open gilts Also service age boars of both breeds John Strawbridge, Stewartstown, Pa 17363 301 996 2022

SWINE

Chester white and spotted boars and gilts for sale Delivery available James Parlett, RD 2 Airville, PA 17032 717 862-3610

10 Yorkshire bred gilts due to farrow Nov & Dec Miller's Yorkshire Farm, RD 1 Box 1366, Spring Grove, PA 17362 717 225-1926

For Sale - Boars Hampshire and Berkshire boars Service age, delivery available 215 285-6582 Call after 4 P M Terry Bennecoff

DUROC & SPOTTED BOARS
Duroc, Spot, Crossbred Gilts (Delivery available)
BOURBON SPRINGS FARM
R2, Newville, Pa 17241
Kenneth Ketterer
Phone 717-423-6250

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15s VV Molly Chief
10s Superior
7s Arlinda CAR Dairyman
10s Lucky Royal
10s Rocky Apollo Fawn Honor
20s Stardom Bootmaker Mannix
3s EP Tippey
60s Olympic View B Maverick
301-374-4134
After 7 P.M.

PUREBRED HAMPSHIRE BOARS
PRV Negative Tested Stauffer Homestead Farms
Rte. 2 East Earl, PA
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Kitchie heated nipple waterers, new, never used, best offer, 301-836-1694 Harford Co, MD

Farmer Boy model 70 hog shelter with pen divider, weather guard and 16 hold Smidley feeder, used 1 1/2 yrs., very good condition, 717-682-3071 after 6 p.m.

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Ag-Star sow castle, 6 crates, 4 nursery pens, 6 ton bin, used 1 1/2 years, exc shape, Lancaster County 215-593-2444

5 hog feeders, rectangular, 16 compartments, 1490 lb capacity No top lid or doors Brand new, \$275 each Not on premises but call Lancaster Agway. 717 394-0541

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Wanted-Heavy hens.
We buy, sell and haul all kinds of poultry Yank's 215-494-4578

BABY CHICKS - Hubbard Leghorns, Golden Comets, Sex-Sal, Hy-Line Leghorns, Barred Rock, White Rock, Reds and 10 other breeds Also turkeys, ducks, geese, guineas, and game birds **CASE HATCHERY**, 79L Brodbeck's, Pa 17308, 717-235-2050

NEW, LOW PRICES. Egg cartons, misprints when available \$15 - 1000 New Cartons \$38 - 1000 717-665-5927 or see Eddie

For Sale - 30 case Eggomatic grader and Seymour speed pack and Featherlite washer, exc cond., been running, \$3000 or best offer 717-569-4763

Sell direct to us for cash.

- * Fowl
- * Pigeons
- * Bantams
- * Pullets
- * Capons
- * Rabbits
- * Guineas
- * Chuckers
- * Turkeys
- * Lambs
- * Goats

JACK MINTZ POULTRY
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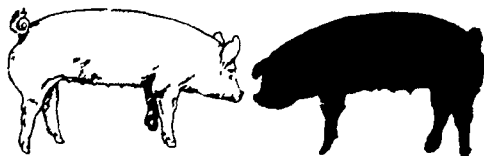
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1971 International 1700 Loadstar 345 V-8 16' Midwest grain dump. Good condition. \$6000 or best offer. 215-593-5345. Chester Co.

1976 Chev crew cab dual wheel pickup, excellent condition, V8 auto. \$2,400.00 or best cash offer. 609-629-6596.

Gore Livestock Trailer 7 1/2x20' Gooseneck, good cond, w/new tires. \$3200. 301-835-8587.

65 GMC 3500, with Tyler fertilizer box, center unload, excellent V-6, new front tires, cab has rust. \$800. 717-529-2126.

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1977 Chevy 20 350 engine PS Auto, Good condition. 717-529-2538.

For Sale - International 65 Transtar with flatbed dump. 717-896-8728.

720 truck tires for sale. 215-754-7120.

For Sale '79 Ford truck F-350, cab & chassis. Best offer. 215-754-7120.

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TRUCKS & TRAILERS

'76 Mack Triaxle diesel dump truck heavy duty, exc cond and low mileage. '78 Chevy 8400 GVW, 3500 miles, 4 wheel drive w/10' slide in camper. White truck tractor, W22 w/reconditioned engine. 717-922-1437 evenings.

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TRUCKS & TRAILERS

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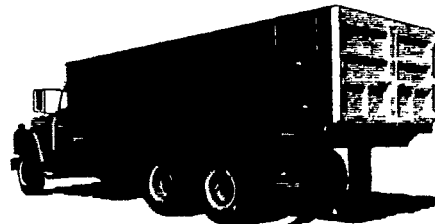
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78 CHEV LUV Pickup 4 Cyl. 4 Spd. Man Trans. Man Str. PB. Step Bumper. AM. Etc. No Air. Cond. 39,886 Mi. \$10280.	78 CHEV CUSTOM DLX 10 Pickup 6 Cyl. 3 Spd. Man Trans. Man Str. 8 Brks. Body Topper, Etc. No Air. Cond. 25,480 Mi. \$17005. \$4199
78 CHEV SILVERADO 10 Suburban Estate Wgn. V8 AT PS PB Wood Grain Decor. 2 Rear Seats. Chrome Bumper. AM. AC. Etc. 74,575 Mi. \$1254.	78 FORD RANGER 160 XLT Styleside Pickup V8 AT PS PB Body Decals. Step Bumper. FM. Etc. No Air. Cond. 18,605 Mi. \$19682. \$4899
77 DODGE CUSTOM 100 Sweptline Pickup V8 AT PS PB Step Bumper. Stereo. AC. Etc. 39,071. Mi. \$1150.	78 CHEV CUSTOM DLX 10 Feelside Pickup V8 AT PS PB Man Trans. PS PB Step Bumper. Etc. No Air. Cond. 21,213. Mi. \$19764. \$5299
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77 DODGE TRADESMAN 200 Cargo Van V8 AT PS PB Captains Chairs. Paneled Inter. Etc. No Air. Cond. 51,765 Mi. \$16632.	78 CHEV LUV Pickup 4 Cyl. 4 Spd. Man Trans. Man Str. PB. Sliding Rear Window. Step Bumper. Body Topper. Etc. No Air. Cond. 17,154. Mi. \$10158. \$5699
78 CHEV CUSTOM DLX 10 Feelside Pickup V8 AT PS Man Brks. Step Bumper. Sliding Rear Window. Stereo. AC. Etc. 73,977 Mi. \$15669.	78 CHEV CUSTOM DLX 10 Stepside Pickup 6 Cyl. 3 Spd. Man Trans. PS Cyl. 4 Spd. Man Trans. Man Str. PB Man Brks. Wgn. Wgn. Sliding Rear Step Bumper. Stereo. Sp. Whts. Etc. No Air. Cond. 40,808. Mi. \$10100. \$4299
78 TOYOTA LONG BED Pickup 4 Cyl. 4 Spd. Man Trans. Man Str. PB Man Brks. Wgn. Wgn. Sliding Rear Step Bumper. Stereo. Sp. Whts. Etc. No Air. Cond. 40,808. Mi. \$10100.	78 DODGE 200 Window Van 6 Cyl. 4 Spd. Man Trans. Man Str. PB. Sliding Rear Window. Step Bumper. Body Topper. Etc. No Air. Cond. 17,154. Mi. \$10158. \$5699

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Tandem axle diesel sleeper, 318 Detroit engine, 10 speed transmission, PS, AC, with or without new paint.
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Single axle diesel sleeper, 238 Detroit engine, 10 speed trans., PS, A/C, just overhauled, with or without new paint.
1976 PETERBILT 352S86
Tandem axle diesel sleeper tractor, 350 Cummins engine, 13 speed transmission, power steering, A/C, overhauled.
1977 GMC JC9640
Tandem axle diesel, conventional cab, NTC 290 Cummins engine, 10 sp trans., 38,000 rear axle, PS, AC, low mileage.
1977 Ford LN9000
Single axle diesel, conventional cab, 238 Detroit engine, 10 sp trans., PS, AC, Air Shield, just overhauled, with or without new paint.

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TRUCKS & TRAILERS

2 good International trucks for sale "1600 Cabover" (5 speed, 2 speed axle, long wheelbase) w/18' grain and cattle body and telescope hoist (hoist barely used), excellent rubber, good condition!! "1500" automatic shift w/nearly new rubber, duals, and 12' aluminum van body w/overhead door. Will take cattle or what have you in trade!! Call 607 776 3478 for details

Ford F700, Single axle truck tractor, V8, 5/2 trans, wetline, w/42' single axle trailmobile flat trailer \$2250 Trades accepted
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Rt 22 Grantville, PA 17138 1888 anytime 717 469-0937 daily

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40' van open top trailer w/24" drop deck 1000 x 20 tires Excellent for hay, straw or shavings etc 717 354-4174 days 717-393 7452 eves

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TRUCKS & TRAILERS

International tractor and trailway, 30' dump trailer, exc cond, used to haul shelled corn to New Market, VA, \$11,000 or best offer Also freight liner tractor and Fruehauf, 28' dump trailer, good cond, \$9,000 or best offer Jefferson County, WV, 304 725 2937

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For Sale - 12' used steel cattle body 21' used wood cattle body. Used 24' aluminum livestock body, used 18' aluminum livestock body Both aluminum bodies in excellent shape MH Eby, Inc Blue Ball 717 354-4971

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For Sale - 1978 GMC 1-ton crew cab pick-up truck 4 speed 9000 GVW Call 717-273-7394 evenings

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Root snowblower model RB6, powered w/Ford Industrial engine, used 2 times Grader w/cab AD3, powered by 371 Detroit engine and Austin Weston grader, 4 wheel drive, powered by 371 diesel engine 955H Cap front end loader 7' JD offset disc 1 disc plow, 6 bottom, heavy duty 717 922 1437 evenings

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1980 Toyota Long Bed, 3/4 Ton, 4 Cyl, 5 Spd, AM Radio, 26,000 Miles \$6495

1979 GMC Sierra, 6 Cyl., 3 Spd, Cap, 17,000 Miles \$5695

1979 Ford F150 Super Cab, Ranger, 351 V8, A, PS, PB, Air, AM-FM, 2 Tone Paint, Bench Seat in Rear \$6995

1979 Ford F150 Super Cab Ranger, 6 Cyl., A, PS, PB, AM-FM Tape, 22,000 Miles, Like New. \$6495

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1979 Ford F100, 6 cyl., Auto, PS, AM-FM, ... \$5695

1979 Ford F250, V8, Auto., PS, PB, AM Radio \$5295

1979 Chevy C10 Scottsdale, 350 V8, auto., PS, PB, air, tilt steering, cruise control, AM/FM tape \$6295

1979 Ford Ranger F100, 302 V8, A, PS, AC, AM-FM Radio, 17,000 Mi. \$5995

1979 Ford F150 Custom, 302 V8, A, PS, PB, AM-FM, Radio, 17,000 Mi. \$5695

1979 Chevy C20, Crew Cab, 350 V8, A, PS, PB, Air Cond., AM Radio, 34,000 mi. \$6995

1978 Dodge D150, 318 V8, A, PS, PB, Air, AM Radio w/CB, 2-Tone Paint. \$5495

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1977 Ford, 6 cyl., stick shift, PS, radio, 27,000 mi., like new \$4495

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1977 Ford F100 Explorer, 302 V8, A, PS, AC, AM Radio. \$4995

1976 Ford F150 Custom, 360 V8, Auto., PS, PB, Air Cond., AM Radio. \$3995

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1979 Dodge Club Cab Short Bed, 360 V8, Auto., PS, PB, Air Cond., AM-FM, Adventurer Package \$7495

1979 Subaru Brat, 4 Cyl., 4 Speed, AM-FM, Rally Wheels, 1 Owner \$5895

1979 Jeep Cherokee Golden Eagle, 360 V8, Auto, PS, PB, Air Cond., Tilt Steering Wheel, Cruise Control, AM FM & CB \$6495

1979 Ford Bronco, 351 V8, 4 Speed, PS, PB, Lockout Hubs, AM-FM & 8 Track, Black w. 25,000 Miles \$7695

1979 Ford Bronco Ranger, 351 V8, Auto., PS, PB, Air Cond., AM-FM Stereo, Lockout Hubs, 32,000 Miles. \$7995

1978 Ford F250 Ranger XLT, Crew Cab, 400 V8, Auto., PS, PB, Air Cond., Tilt Steering, AM-FM & Cassette, Lockout Hubs, 35,000 Miles, 6 1/2 Ft. Bed. \$7895

1978 Chevy Blazer, 350 V8, Auto., PS, PB, AM Radio, Posi-Rear, 2 Tone Paint, White Spoke Wheels \$5995

1977 Ford F150 Ranger, 400 V8, Auto., PS, PB, AC, AM-FM, 2-tone Paint, Ford Fiberglass Cap \$5995

1976 Ford F100, 360, 4 Speed, PS, Lockout Hubs. \$4495

1976 Jeep CJ10 Pick Up, 360 V8, A, PS, PB, AM Radio, Cap, Quadra Track. \$3995

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1980 Ford E150 Cargo Van, No Windows, 6 Cyl., Auto., PS, PB, AM Radio, Long Wheel Base, 27,000 Miles \$6495

1979 Ford E100 Econoline 6 Cyl., A, 28,000 Miles \$5295

1977 Dodge Maxi Window Van, 318 V8, auto., PS, PB, radio, 42,000 mi. \$4295

1973 Ford Van, 5 cyl., auto \$1495

1971 Chevy Open Road Camper Van, V8, A, PS, PB, AM Radio, 51,000 mi., well taken care of \$3695

MISCELLANEOUS

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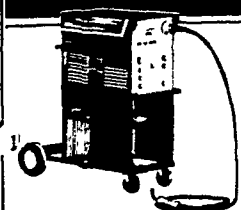
For Sale - Lumber 2"x4"x8', 2"x4"x12', 2"x6" from 12' to 18', 2"x10" from 12' to 18', George B. Leid, East Earl 1, PA 17519

Originating farm loans for major insurance company, \$250,000 minimum. Other types of loans available. Mr. Read, answering service 717-569-6428

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Holstein cows due to January 301-452-8509

Approx 60 acres, adjoining State Land, 20 acres clear, mountain stream. Approx 55 acres mountain ground surrounded on two sides by State Forest, young timber. Hartley Twp Union County 717-922-1437 evenings

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To Settle Estate 200 Ac Pine Creek Valley 73 Ac tillable. Large 9 room house, bank barn, sheds, borders Pine Creek and State Land. Excellent deer, bear and turkey hunting. Lycoming County 717-753-3335

Dairy Farm For Rent 175 acres located in Union County PA. 80 cow stanchion barn. Large 5 bedroom house. Phone 717-966-0996

For Sale - Dairy farm Bradford County 106 acres, 50 cow tie stall barn. New pipeline attached free stall heifer barn 4 silos, bunk feeder, equipment shed, 4 bedroom house, all in good condition. FHA mortgage 717-746-1575

2 story building and lot, 40x100 w/additional 40' shed on back. Could be living quarters on 2nd story. Originally a garage. 717-922-1437 evenings

For Rent Half of farm house clean and pleasant surroundings. Christian tenants desired. 717-684-6086

For Sale by owner - 240 acre dairy farm in Juniata Co. 717-535-5457

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323 W. Main St. Mount Joy, PA

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FARM LISTINGS NEEDED Farm Salesman - Eugene Kreider

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Troy, Pa. School District, 170-acre farm with creek & springs, 10-room & bath home, 2-car garage, barn with 22 stanchions, poultry house, maple grove, possible seller financing terms, or purchase with as little as 10-acres if you prefer. No B 7801 WEST REAL ESTATE AGENCY, INC., Office 12 Canton St., Troy, Pa. 16947, Phone (717) 297-4046 or 297-2777

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For Sale 150 Acre dairy farm, 5 miles East of Bethel at Strausstown, Berks County. Large level square fields, dairy barn with 49 stanchions, 800 gallon bulk tank, 2 streams, pond, meadow, grain dryer with metal bins, new 22 x 65 silo, 3 other silos, large pole shed for heifers and implements, new garage, 7-room house plus bath, new furnace \$2,000 per acre. Phone 715-678-8274

Wanted to rent - Young family with own cows and equipment looking for dairy farm to rent in the Bernville area. Berks Co. 717-933-8359

211 Acre Dairy, 100 tillable, 51 cow barn, 2 silos, 900 gallon bulk tank, remodeled 4 bedroom home, 1 1/2 bath, 3 ponds bordering State Game Lands. Norwich, NY 607-334-8535

109 ac Dairy farm near Chambersburg, PA. 44 stanchion barn, 75 free stall barn with feeder 20x60, 20x30 Harvestore silos \$290,000. Phone 717-263-4319

Farmette approx 5 acres, 3 bedroom house, large bank barn, several other buildings. Near 2 schools, located on Rt 75 in Path Valley. Phone 717-349-8816

FOR SALE BY OWNER, 60 acre Berks County Farm. Up to date poultry house for 35,000 layers (now on contract). Also good horse facilities for the serious horse breeder. Farm house, 2 mobile homes, 2 wells, stream, quiet rural setting. Only serious inquiries. No brokers. \$390,000 (215) 562-7776

Wanted to Rent Limestone cropland in Carlisle Mechanicsburg area. Reply to Box K-20 c/o Lancaster Farming

For Sale - 92 acre farm in Union Co. Stone house, new silo, all out buildings, spring in pasture, well, pond 4 miles East of New Berlin Route 304 at Dry Valley cross roads. Isaac J. Yoder, RD #1, Box 354, Winfield, Pa. 17889

REAL ESTATE

For Sale - Maine Egg Farm. Cage layer, building 50'x262', built in 1973. All equipment, 40 acres of land, nice 3 bedroom mobile home. Operating under contract. Owner will finance with \$30,000 down. Tel 207-495-3859. Write, G. Penney, Box 120, Belgrade, Maine 04197.

REAL ESTATE

DAIRY FARM FOR SALE - 102 acres, river bottom land, approximately 80 tillable, 40-stall barn, 2 silos, large loafing pen. Lewistown, PA 717-248-0839

Wanted - Mennonite family desires farm to rent. Have own cows and machinery. Call 215-678-8274

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LANCASTER COUNTY

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172 A. GENERAL Modern 7 room house, pond, barn - near Raystown Lake. PRICE ADJUSTED.

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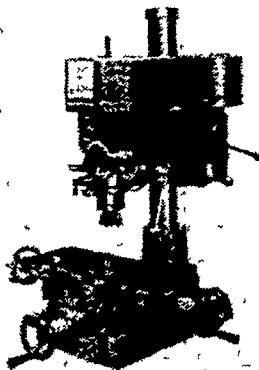
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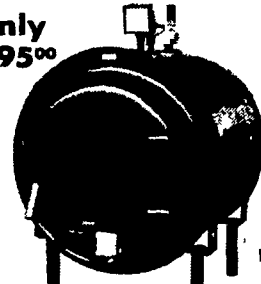
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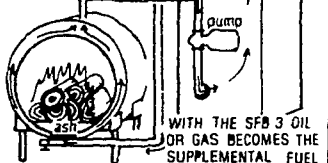
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Want to rent dairy farm in Franklin County for Spring 1982 301-797-6460

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158 acre dairy farm for sale Stone house, pond, silo, windpump Berks Co Call 215-562-8258

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89 ACRE ESTATE TYPE FARM featuring restored log farm house and in ground pool in picturesque Conestoga area setting \$325,000 00

188 ACRE CROP FARM with nearly 120 acres tillable, pointed brown stone farm house, pole barn and other outbuildings Under \$2,400 00 per acre

205 ACRE DAIRY FARM with 2 dwellings and good stream through meadow land Nearly 160 acres tillable Could be divided as 2 farms \$3,500 00 per acre

218 ACRE SHOW PLACE featuring 134 free stall barn and milking parlor 4 unit dwelling and other buildings all in excellent condition and superb setting near Lancaster

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100 ACRES OF FARM GROUND without buildings situated in Little Britain Twp approximately 60 acres tillable and balance in woods \$325 000 with owner financing

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133 ACRES with good buildings and beautiful setting \$2 200 00 per acre

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LOG HOME setting in the middle of 72 acres Approximately 1/2 farm land and 1/2 woodland with valuable timber Make this your hunting camp today \$99 900 00

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130 ACRES with stone house having approximate ly 60 acres tillable and priced at just \$1 800 per acre

Century 21

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DANDY SYRACUSE JERSEY FARM owner has no children & wants to retire, now must sell this beauty, 177 acres rich sandy loam soil, 130 tillable. Very good barn stanchions 50, has 2 concrete silos, unloader, mow elevator, cleaner Several outbuildings, all good shape Nicely modernized 150 year old colonial INCLUDES 50 milking Jerseys, (53 test), 25 30 Y.S. 3 tractors & all machinery \$225,000 JUST LISTED! CALL WIMPLE HEADQUARTERS, SLOANVILLE NY 518-875-6355 FREE DAIRY CATALOGUES

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80 acre general. Full set buildings Frontage on Shermans creek Call Mr Bitting.

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212 acre dairy. 75 cow-loose housing, 3 silos, mod stone house Call Mr. Niesley

144 acre Beef. New barn, brick house, creek ftg., secluded. Call Mr. Niesley.

33 acre secluded, 20 wooded, no buildings, stream. Call Mr. Niesley.

FRANKLIN COUNTY

170 acre limestone dairy, 18 ties, 2 silos. Call Mr. Crawford.

JUNIATA COUNTY

50 Acre Hog and Poultry. Limestone and sandstone soil. Call Mr Benner

5 1/2 acres timber, 1/2 hard wood, 1/2 Christmas trees Call Mr Bitting

MIFFLIN COUNTY

118 acre limestone dairy, 87 freestalls, 3 silos Call Mr Crawford

DAUPHIN COUNTY

5 acre Farmette. 2 story mansion, tennis court & pool Call Mr. Niesley

45 acres bare land. Partial wooded, creek frontage Call Mr Niesley

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250 Acre Dairy Farm

200 tillable, 5 silos, 1500 gal. bulk tank, double six herringbone, automatic take off, 133 free stalls, 14 room house, 2 baths, Asking \$825,000. Possible owner financing.

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#308. A beautiful farm & priced right. New ranch home, recently new 93 tie stall barn. Honeye soil, extra house. Choice location. Owner financing. \$220,000. Top dairy of cows & equipment available. This one won't last long.

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\$140,000...130 Ac. Equipped dairy farm, close to college town. Owner financing.

725 Acres, large flat meadows, suitable for haying, other crops, development, several acres of large mixed hardwood & pine, borders creek. Can be divided. Small downpayment.

LODGE... Excellent hunting, fishing in area Lodge is in excellent condition, gas lights, spring water. \$35,000

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Suitable for beef, horses or cash crop, 135 tillable loam plus pasture and timber, road frontage and exc. hunting, large barns, outbuildings, family home and equipment. OWNER FINANCED - REASONABLE DOWN 32S

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330 tillable - 176 hardwood, 105x180 free stall barn, 36x60 gambled roof barn, 6 silos, 300 ton corn crib, 2 735 gallon bulk tanks, milking parlor, 2 houses, 3 house trailer sites, grosses \$200,000 34S

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LANCASTER COUNTY

123 A beef & poultry
83 A dairy
77 A dairy
112 A dairy & hog
13 A farmette
8 A farmette
4.88 A w/2 story barn
(2) 11 A tracts of woodland w/southern slope

37 A woodland w/stream

25 A near Mount Joy

PERRY COUNTY

140 A dairy

110 A general farm

83 A general farm

BERKS COUNTY

81 A general farm

50 A dairy

20 A farmette, house (no barn)

10 A w/mobile home

5 A lot

30 A lot

NORTHUMBERLAND COUNTY

74 A general farm

LEBANON COUNTY

38 A farm steer & veal

MONTOUR COUNTY

10 A lot w/lake view

CUMBERLAND COUNTY

128 dairy & beef

CLINTON COUNTY

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REAL ESTATE

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62± acre general farm, private setting, large, 12 room home, coal or oil heat 30x60 bank barn, 35 tillable, 15 pasture, 10 wooded Possible owner financing, 25% down, 12% interest \$79,000

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Lykens Valley 160 ± acre operating dairy farm, new 40 stanchion barn plus 40x100 hay storage barn, new 20x70 silo stream borders, large 6 bedroom home, secluded \$350,000

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49 acres secluded but near I-81 15 tillable, balance wooded, some timber, excellent deer hunting, possible terms at 12% interest \$39,000

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Real Estate

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#1 New Listing - 125 acre limestone general farm in Cumberland County. 110 tillable - 8 miles from Mennonite Church.

#2 Beautiful dairy with 60 stanchions and pipeline - barn 9 years old. 237 acres-180 tillable. Several equipment sheds and 20x70 silo. A real turn key operation in Union County.

#3 Open acreage in Lancaster County - 46 acres in high state of cultivation. Also another tract of 40 acres.

#4 Large fruit farm in Cumberland County with the possibility of five 10 acre lots.

#5 97 acres of woodland with Campsites and Operating Grist Mill. 10% owner financing.

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REAL ESTATE

REAL ESTATE

PUBLIC AUCTION

19 Acre Farmette

Located in Haines Township
Centre Co., PA

Saturday, November 21

Property Offered at 1 00 P.M.

Located 5 miles east of Millheim, PA off Route 45 Turn North on Apple Butter Rd. to stop sign, then right on Cemetery Rd Approx 200 feet to white fence & left on dirt lane to farm buildings Watch for signs

13 acres tillable land and 6 wooded Trout stocked pond, fenced pasture, 2 story wood frame house w/asbestos shingle siding & tin roof Large knotty pine country kitchen, LR, recroom, 3 BR, 1 1/2 baths, basement, coal wood room heater, 1000 gal septic, hand dug Artesian well Good barn w/tin roof, garage & workshop, outbuildings Furnished cabin that sleeps 12 comfortably w/lg picture window overlooking pond & valley Ideal hunting & fishing country

Terms: 10% at knockdown. Balance 30 days w/delivery of deed.

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Blair County

81 acre farm in Old Order Mennonite area Nice dairy barn - 18x60 silo w/new unloader & bunk Two wells - nice outbuildings - large house - gently rolling to flat limestone land \$225,000

175 acre general farm 145 acres flat & rolling - good corn, hay & crop land

Huntingdon County

185 acre hog farm - farrow to finish modern operation - 2500' creek frontage - good corn land

New Listing - Blair County - 47A horse or beef farm New steel horse barn & arena Stream

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Real Estate

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MONTGOMERY COUNTY, N.Y.S.

175 acres 75 cow farm mint condition, barns & house. All good machinery & some. heifers. Owner financing to qualified buyers. Good production farm \$198,000.

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Year round or weekend 2 bedroom sound log home on 60 acres trees. 2 car 2 story garage with apt. started Deep pond w/rainbow trout & swimming dock Terraced breathtaking view of Adirondacks Mts. Private Possible owner mortgage \$125,000 Make an offer - you might own it It's only 4 years old & owner built.

FARM

For the serious dairyman - 280 acres over 230 tillable, 2 houses mint shape 96 free stalls, over 135 head + good up to date machinery Take over mortgage. Owner retiring Bare or stocked & equipped

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Glenridge Farms

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REAL ESTATE

REAL ESTATE

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(28-T) In PA near Gettysburg, PA 49 acres of ground with nine room 2 bath stone house built in 1787 with five fireplaces in working order. Barn, supporting buildings, stream, woods and tillable land Excellent condition \$198,500

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1540 acres, excellent cash crop farm with 100'x2800' FAA approved air strip with lights housing for 8 planes. \$1,925,000 25% down to responsible buyer

These farms are near each other and could be farmed as one unit with one set of equipment.

260 acre dairy, nearly new 145 free stall, 3 silos, large bunker, double 6 parlor, 2 silos and tank, 2 machine sheds, good double house, 6 year old 4 bedroom house. Only \$465,000. Excellent terms.

360 acres, 90 on pipeline, tank, cleaner, heifer barn, good 4 bedroom house, good trailer. Only \$160,000. Excellent terms.

240 acres, 40 cow barn, silo, 2 nearly new 40x80 buildings, good 4 bedroom house. Only \$137,500. In Mennonite section.

Samples - Try Us

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See PICTURES in catalog! 160-acre N.Y. cattle & crop farm for only \$35,000! 80 acres tillable, balance in pasture, timber & future firewood, large spring-fed pond, 1,000-ft. frontage on fishing creek. Large cattle barn, silo. Late model 3-bedroom & bath mobile home. Can't last, so hurry.

Riverfront Farm

10,000 White Pines

222-acre N.Y. farm has 1,300-ft. frontage on river. Early American home has 10 rooms, bath, gun room with bar, den, furnace, 30x40 building. 130 acres used for corn and hay, 92 pastures, 10,000 planted white pine trees! Fronts 3 roads. A classic, only \$75,000.

Dairy Farm Value

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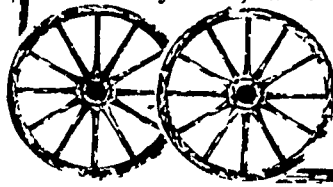
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This 300 acre farm offers convenience. Barn ties 107 head w/room for heifers. Pipeline milker, 1250 gallon bulk tank, 24x70 silo w/unloader, machinery shed. Nice 3 bedroom house & enclosed swimming pool. Large assumable mortgage at low interest rate. Only \$243,000.

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Pikeville - Lovely 78 acre farm at the edge of fertile Oley Valley, partly restored stone house with 3 bdrms. Picturesque, secluded setting and well maintained bank barn make this property ideal for the gentleman farmer. Approx. 20 acres tillable with more available. Springs and additional outbuildings on property. Don't miss this great opportunity! \$198,500.

Montgomery County

Schwenksville area - Outstanding 112 acre former dairy farm, approx. 83 acres tillable, 17 acres woodland, 12 acres pasture. Lg. stone double house and many outbuildings. Several streams and springs on property, currently utilized for beef, lg. amount road frontage makes this farm attractive not only for agriculture, but also for future development, prime location, owner financing available, \$300,000.

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FO-500 Not your average farm! Highly productive and excellent buildings to match. 2 story immaculate home. In-ground pool. Presently beef operation but readily convertible to dairy. 112 acres. Columbia Co. \$210,000.

L1-25 Approx 8 acres country living, lovely building site, Mt Pleasant Mills area. Only \$15,000.

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Lebanon County

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GENERAL FARM - 120 acres (106 productive, tillable, 14 woodland), near Williamsburg. Solid 2-story frame house and bank barn ideally suited for livestock. Buildings are centrally located on land. Price reduced to \$192,500

CENTRE COUNTY**FIVE LISTINGS - 2 MILES EAST OF REBERSBURG**

30 ACRE GENERAL FARM - 2 Story frame house, bake shop (which could be converted to a house), bank barn, calf barn implement shed, corn crib. Combination. All buildings new since 1970. Productive tillable land. Woodland, \$85,000

147 ACRE GENERAL FARM - 2 story stone house, 2 bank barns (one with 29 tie stalls) workshop, 12'x55' concrete stave silo, stream & pond, 80 acres tillable, 30 acres pasture, 37 acres woodland. \$175,000

8 ACRE FARMETTE - frontage on Rt. 192. Sound 2 story house, new 30' x 60' 2 story barn & garage. Nice laying land. Suitable for a limited acreage dairy operation with the adjacent barn listed below. \$64,500. 45 acres of woodland also available

2 STORY BANK BARN, 41' x 90' with a 40' x 45' attachment. The barn has 27 tie stalls & an attached milkhouse. 2 silos, 12' x 50' & 10' x 35', 2 implement sheds. 2 acres of land included. Small additional acreage available. \$35,000. Adjacent to the farmette above

AMISH FARMETTE - 3 Acre Farmette, good dwelling, barn, workshop (suitable for a retail business). Buildings in good condition, joins listings above. \$37,500. Ideal for a hunting camp

GENERAL FARM - 215 acres in Curtin Township near Romola, adjacent to Sproul State Forest. Picturesque with tillable and wooded acreage, 2 story house, 2 car garage, very good condition. Stream provides water for house and pond. Excellent investment, ideal for horses or recreation. \$150,000. Owner financing

GENERAL OR HOG FARM - Near Spring Mills, 75 acres (30 tillable, 12 pasture and 33 woodland) 2-story frame house, 40'x70' bank barn with 29'x39' attachment, 2 corn cribs. Barn equipped for farrowing and finishing hogs. Small stream. Approximately 18 miles from State College. Complete \$97,500, 75 acres + barn only \$68,500, 39 acres + barn only \$52,500

CLINTON COUNTY

GENERAL FARM 183 acres near Loganton. 83 acres productive tillable land, 9 acres pasture, 89 acres woodland. Very good 2 story frame house, large bank barn, garage, hog pen. Small stream, well & 2 springs. Joins state forest land. \$180,000, owner financing

HUNTINGDON COUNTY

DAIRY FARM - 330 acres, (175 productive Hagerstown tillable, 125 pasture & 30 woodland) 3 dwellings, large bank barn with 36 tie stalls & pipeline milker, 2 concrete stave silos with unloaders & miscellaneous outbuildings. Dairy facilities are less than 2 yrs old. Spring water. \$340,000. Owner Financing.

4.5 ACRES - Located approx 2 miles from McAlevy's Fort. Featuring a 4 room log cottage, garage/workshop in good condition. \$24,000

LYCOMING COUNTY

LIVESTOCK OR DAIRY FARM - Near Lairdsville. 270 acres (165 level, very highly productive tillable). Good 2 story house, bank barn, 60' x 120' cattle barn, suitable for freestalls, 20' x 60' Harvestore, 2 streams. Owner financing. \$325,000

NORTHUMBERLAND COUNTY

GRAIN OR LIVESTOCK FARM - Near Turbotville. 231 acres (174 very productive tillable). Good 2 story house, bank barn, implement sheds, & like new grain drying facilities. Owner financing. \$344,000

GENERAL OR LIVESTOCK FARM - 105 acres. Farm 100 acres highly productive tillable land. 3 acres pasture, excellent road frontage. 2 story house, barn & out buildings. \$185,000, owner financing

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stream, Limestone
land Some wood
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SNYDER COUNTY

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103 Ac. including 50 Ac. orchard and equipment. Ex. water supply. Possible lease purchase.

JUNIATA CO.

266 Ac. 150 till., farm bldgs. Amish community, motivated seller.

Starter dairy farm. Good small set-up, some possible financing. \$155,000.

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Highly productive grain and steer farm, beaut. stone home, loc. near Rt. 30 Interchange Zoned ind. and residential growth.

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Just over the York Co. Line, 114 Ac. beef, hog, possible dairy. Good set of bldgs. w/2 story stone home. Reasonably priced.

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20 Ac. 300 fruit trees, ex. brick rancher, barn etc. Lanc. Co. Poss. owner financing.

HUNTINGDON CO.

1 1/2 mi. to Raystown Lake, 72 till. 92 Woodland, Pasture, Perfect setting for campsite, 178 Ac.

3 LIMESTONE FARMS

Northumberland Co.

in the same neighborhood

128 Ac. dairy, 2 rows of 58 tie stalls, silos, trench, 800 gal. tank, good home, poss. fin.

105 ac. 100 steer capacity, no house, greatly reduced.

100 Ac. gen. 14x60 silo, 5 br. home, good bldgs., near Rt. 147, view of river.

10 Ac. 206 veal calf operation. 1 1/2 ac. orchard, make offer.

Several tracts of woodland would make nice retreats; Snyder, Mifflin Co's.

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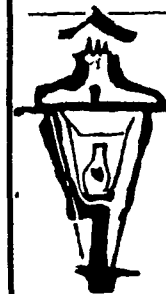
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REAL ESTATE

Custom slaughtering and processing operation in Northern York County. Presently operating and federally inspected. Current owner retiring. Block building situated on 2 acres, includes beef spitting saw, rail trolleys, trolley cart, beef skinning cradle, hog scalding, gambrel table, Hobart band saw, Hobart grinder, Holymatic patty machine, large walk-in freezer and 10 year old kettle furnace. Possible terms available.

25 acre farmette near Dillsburg, Penna., Northern York County. Located between Old Route 15 and new Route 15. Includes brick farmhouse, bank barn, and other accessory buildings. 20 acres tillable. Meadow and stream on property \$89,900



For More Information
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DAUPHIN COUNTY

86 acre dairy farm (near Hershey), very good soil, 801, pasture, stream, features new 100 cow tree stall w/center auto bunk feeder & drive thru feeding. 20x70 conc. silo w/unloader & conveyor system, 2 story bank barn w/25 tie stalls, also heifer & maternity area. 800 & 400 gal. bulk tanks, 2 car garage & shop, corn crib machine shed, lovely 2 1/2 story home features large kitchen, formal DR, LR & playroom. 3 bdrms & bath, 2 open porches. Call for details \$360,000

MONTGOMERY COUNTY

55 acre general farm featuring lovely log & stone home w/modern kitchen, center stairs, 5 rooms with livingroom fireplace, 5 bedrooms & bath, 2 car garage, bank barn, 2 machine sheds, corn crib, silo & much more. A very lovely setting \$385,000 Reduced to \$300,000

BRADFORD COUNTY

NEW

81 acre dairy farm with lovely frame colonial with 10 rooms & bath. 26 stall barn, barn cleaner. 2 story garage & out buildings \$66,000

OTHER FARMS AVAILABLE
Please Call and Tell Us Your Preference

PAUL M. LONGACRE
Rt. 100 Hereford, PA 18056
Ph: 215-679-5919

450 acre dairy farm, 365 acres tillable. Featuring 154 freestall barn with 2 bunk feeder units, double 8 Herringbone parlor with sick room, office, bath & milkhouse with two 1000 gal. tanks. Three 24 x 60 silos and one 20 x 55 silo w/unloaders, 50 x 245 pole styled dry cow & heifer barn with drive through feeding. Lovely 2 1/2 story home with 11 rooms & 2 baths, 2 ponds. All this & much more for \$490,000. Call for details #311

180 acre, 150 tillable, level land to gentle rolling, beautiful big new rancher w/fireplace, barn remodeled w/new addition, 58 tie stalls, could easily add 16 stalls, bulk tank, dump ping station, 18x65 concrete stave silo w/unloader, heifer barn & machinery shed. Located on macadam road. Sets very nice, must be seen to appreciate. All for \$225,000. Cattle & machinery optional. Additional acreage available for rent.

SUSQUEHANNA COUNTY

140 acre dairy farm, 95 tillable, gently rolling to almost level. A picture clean farm operation with 42 stanchions, stainless steel pipeline, 2 box stalls, 6 calf stalls & enclosed spreader pit. Two 20 x 40 concrete stave silos with unloaders, 650 gal. bulk tank, 2 large poll sheds for machinery & heifers, frame 8 room 2 1/2 story house, modern kitchen, 1 1/2 baths, carport & patio. Must be seen to appreciate \$225,000 #324

NEW

437 acre dairy farm, 50 stall barn with pipeline. Bulk tank barn cleaner & 18x50 14x50 & 12x40 silos. Heifer barn & machinery shed shop & garage. Lovely stone & frame Colonial home with modern kitchen. 8 rooms & 2 baths. Also new second home with 5 rooms & bath. Call for details \$325,000

74 acres 6/1, features 106 comfort stall barn, 1000 gal. tank, pipeline. 89 tree stall heifer barn. 30x70 concrete silo solid 2 1/2 story 4 bedroom home w/bath. Asking \$165,000. Also renting additional acres.

BUCKS COUNTY - NEW

100 acres of level linicum Bucks County soil. 951 features lovely 2 story double home w/11 rooms & 2 baths. 2 story bank barn w/50 stalls 1 mi. road frontage. A good operating dairy farm \$360,000

Lovely 2 story colonial home w/4 bedrooms 2 boxes. 2 car attached garage, beautiful landscaping. 5 acres partly wooded picturesque setting \$129,900. Additional acreage available.

NORTHUMBERLAND CO.

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SNYDER COUNTY

101 Acre dairy farm features lovely home w/large kitchen, 1 1/2 baths, 4 bedrooms & laundry, 70 freestall barn w/box stalls, 8 stall Herringbone parlor, auto feeders, 20x60 concrete silo w/unloader, 40x100 pole building, bank barn & much more. \$180,000 Reduced to \$170,000 #328

96 acre general farm, 60 tillable with nice 2 1/2 story frame colonial double home, 11 rooms, 2 baths, 2 kitchens, all in good condition. Large barn set up for 10,000 broilers, trout stream on property, good hunting & fishing area. \$130,000 Reduced to \$120,000 #307

JUNIATA COUNTY

REDUCED

160 acre general farm 125 tillable, featuring lovely 2 1/2 story 8 room farmhouse with country kitchen, 3 floor 15,000 bird broiler house, 100 x 80 bank barn & 30 acres box wire fencing. Concrete silo & large bunk silo, good ground. All for \$220,000 Reduced \$210,000 #320

10 acre w/lovely Cape Cod 8 room & 2 baths, full basement in a very nice setting, excellent for hunting or vacation home, nice view \$65,000 #283

COLUMBIA COUNTY

180 acre dairy farm, 118 tillable. 36 stalls, bulk tank several sheds & second small barn. Corn crib, 2 silos & grain storage bins. Lovely 2 story farm house with 9 rooms & 1 1/2 baths. Remodeled. Slightly rolling & level good ground. \$225,000, make an offer, reduced \$210,000 #310

20 acres with small barn. pond, wooded and open ground. Nice area. Financing Available. Asking \$45,000

NEW JERSEY

80 acre dairy farm gently rolling to level, streams & pond. 2 1/2 story home with 4 bedrooms & 2 baths, large remodeled kitchen, dining rm., & laundry. 60 stall barn & 80 freestall milkhouse. Bulk tank large shop, new large machinery shed & corn crib, 14x40 concrete silo & 200x25 trench silo \$250,000



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What happened in the tests? The chart at the right tells the story. It shows how well Jacques varieties did against Pioneer, Funks and DeKalb. All the results aren't in yet but when they are we'll show you who won and lost in the showdown for your area.

So here's the first shot in the showdown. In a few more weeks all the results will be in and our new 1981 Yieldbook will be ready. See your Jacques Dealer for a copy or send in the coupon and we'll mail you a free copy. Do it right away.

*Pioneer, Funks and DeKalb are brand names

NEW: 1981 Field Shelling Trial

**Enos Zimmerman
Annville, Pennsylvania**

Planted: May 5, 1981 in 30 inch rows
Soil Type: Silty loam
Fertilizer: 85 lbs 46-0-0 plowdown, 85 lbs actual N @ Urea
Insecticide: 10 lbs Furadan 10G
Weed Control: 1 lb Aatrex and 2 quarts Lasso pre-emerge
Previous Crop: Corn
Harvested: October 6, 1981 with a 510 Massey Ferguson

Brand	Variety	Plants Per Acre	% Lodging	% Moisture At 15.5%	Bu./Acre
Jacques	JX186	23,850	5.5	21.4	112.8
DeKalb	XL-30a	21,790	7.2	24.9	99.5
Jacques	JX179	21,790	9.6	23.6	103.3
Jacques	JX180	22,050	11.9	21.6	108.5
Jacques	JX187A	20,220	9.1	23.8	109.5
Funks	G 4522	18,910	9.7	27.8	110.9
Funks	29060	22,580	7.0	23.0	99.5
Northrup King	PX603	21,790	7.2	28.8	99.9
Jacques	JX197	18,640	5.6	24.0	118.8
Jacques	JX227	22,320	8.2	23.9	114.7
Funks	G-4606	21,790	7.2	29.8	117.1
Funks	29115	21,790	14.5	26.9	106.2
East Land	E681AX	21,790	7.2	28.0	103.5
Jacques	JX202A	15,490	8.5	26.6	98.8
Jacques	JX247	23,110	8.0	27.2	125.4
East Land	E3X809	21,530	6.1	34.3	99.4

Jacques

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Messick entries take championships

BY SHEILA MILLER
HARRISBURG — Dauphin County 4-H Beef Club members started out a two-day show schedule Monday with their county's Round-Up competition, held here at the Farm Show Complex. From Harrisburg, many of the 4-H'ers trailed their steers to neighboring Lancaster County for the District show, held Tuesday.

Fifteen-year-old Dwayne Messick, Elizabethtown, claimed two championship ribbons at Monday's event — first for his Chianina heifer, and second for his Angus x Chianina steer.

This was the second year in a row that Messick, the son of Alvin and Fern Messick, took top honors in the Chianina female division. His entry at last year's Dauphin County Round-Up was pinned grand champion, too. This year's entry, Blue Sky Princess, an April 1980 heifer, was chosen as grand champion by Round-Up judge Terry Shearer, of Pigeon Hills Farm, Abbottstown, along with the judges at the recent Keystone International Livestock Exposition and Eastern National shows.

Messick explained he purchased the champion's dam at a Chianina sale in Wrightsville and bred the



Intermediate champion showman was Becky Webster, Halifax. This is the fourteen-year-old's third year of 4-H competition.

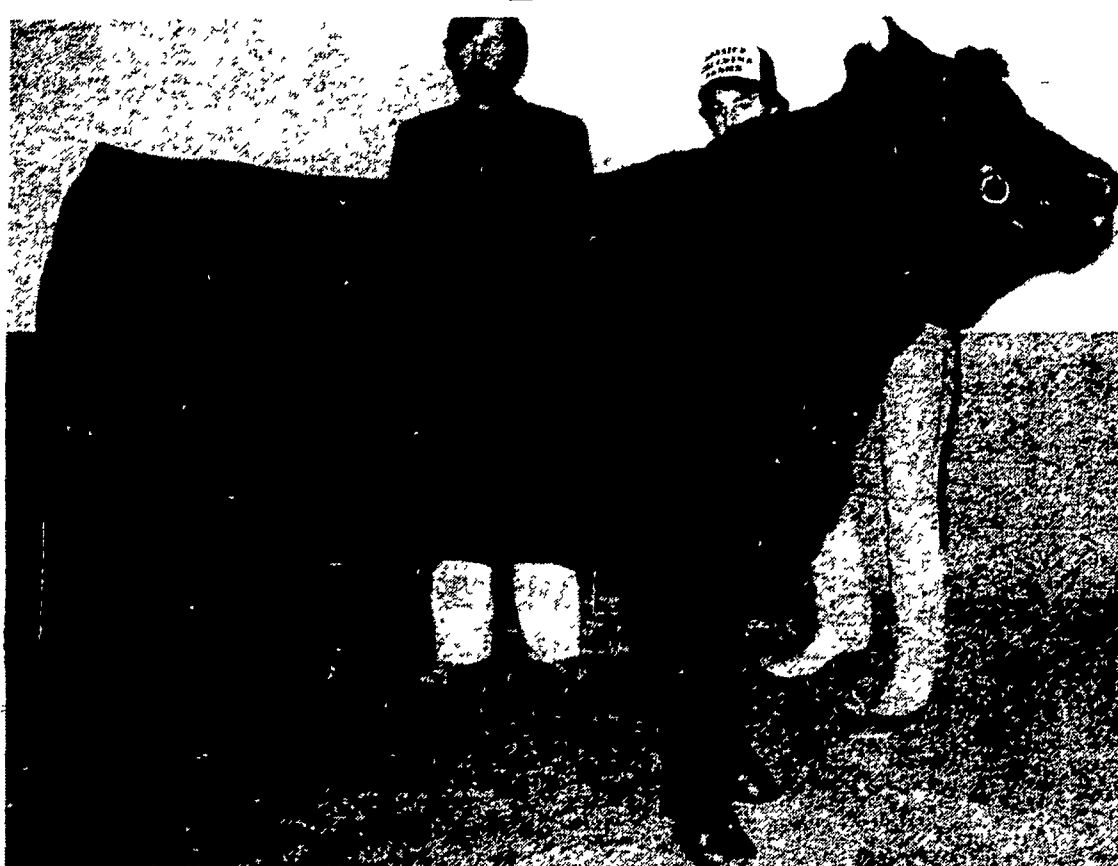


The grand champion Chianina heifer was shown by Dwayne Messick. The Blue Sky Jet Set daughter has earned numerous purple ribbons in her show road career, taking top honors at KILE and Eastern National last month.



Eleven-year-old Mike Messick, Elizabethtown, exhibited his Simmental heifer to her second consecutive grand championship in the female division of the show. The April

1980 heifer is a bred and owned daughter of Polled Challenger out of Messick's Galiant cow.



Dwayne Messick, 15, of Middletown showed his Angus x Chianina crossbred steer to grand champion honors at Monday's Dauphin County Beef Round-Up. Judging the show was Terry Shearer, manager of Pigeon Hills Hereford Farm, Abbottstown, York County.

cow artificially to Blue Sky Jet Set. This year that same cow produced twin calves to add to the Lower Dauphin High School student's growing herd of 20 head.

Judge Shearer's selection for champion steer was Messick's first place heavyweight. The 1260-pound steer, named Buddy Row, was purchased by Messick from Nittany Farms, State College. This was the first time Messick's project steer won a purple ribbon, although his last year's entry was tagged reserve grand champion.

Coming in a close second in the steer show was Kaye Sweigard's Angus x Chianina steer "10". This nearly perfect steer was previously tagged grand champ at Dauphin County's 4-H Fair, held in August. It was selected as champion lightweight in competition at KILE.

Neither Kaye's steer nor the experienced showman and cattleman herself are strangers to the Farm Show arena. In her last year of 4-H competition, Kaye has earned an enviable tanbark record of championships and the trophies to prove it. The freshman at Harrisburg Area Community College, is the daughter of Kenneth and Marie Sweigard, Halifax.

Another Sweigard also left the

Monday event with a championship. Monique Sweigard, the fifteen-year-old daughter of Eugene and Janice Sweigard, Halifax, showed her home-bred Angus x Chianina steer to win senior champion showman honors. The steer, B.J. (Black Jack) was the reserve grand champ at the Dauphin County 4-H Fair and placed second in its class at KILE.

Intermediate champion showman was Rebecca Webster,

the fourteen-year-old daughter of Debbie and Melvin Lebo, Halifax. Her black steer, an Angus x Chianina cross was bred by Eugene Sweigard.

It was a championship day for eleven-year-old Mike Messick, the son of Mylin and Doris Messick, Middletown. The young cattleman was chosen as top showman in the junior competition and also earned a championship ribbon with his

(Turn to Page D4)



Kaye Sweigard, Halifax, completed her final county round-up competition by showing her Angus x Chianina steer, "10", to the reserve grand champion slot.



Monique Sweigard, Halifax, demonstrated her "cool" in the showing and won senior champion showman honors.



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Messick entries

(Continued from Page D2)

Summental heifer entry. The bred and owned, April 1980 heifer was last year's grand champion Summental at the Dauphin County Round-Up. She is sired by Polled Challenger out of a Galant cow. In only his second year of showing, Mike led his heifer to the reserve grand championship at last month's KILE junior show.

Show results are:

HEIFERS
 Charina
 1 Dwayne Messick Elizabethtown champion 2 Brenda Fisher Hummelstown 3 Joe Messick Middletown

Simmental
 September calf
 1 Josephine Popp Middletown

April calf
 1 Mike Messick Middletown champion 2 Sally Messick Middletown reserve champion

STEERS
 Class I
 1 Dave Coble Hershey 2 Dale Shope Mid-

dletown 3 Matt Webster Halifax 4 Cindy Baker Elizabethtown 5 Amy Bowman Elizabethtown

Class II
 1 Becky Webster Halifax, 2 Dwayne Coble Hershey 3 Keith Hess Elizabethtown, 4 Dale Fisher Hummelstown 5 Kurt Hess Elizabethtown

Class III
 1 Monique Sweigard Halifax, 2 Mark Webster Halifax 3 Shannon Puglise Hershey 4 Brenda Fisher Hummelstown 5 Doug Shope Middletown

Class IV
 1 Kaye Sweigard Halifax 2 Garth Sweigard Halifax 3 Grayson Fair Harrisburg 4 Tim Foreman Hershey 5 Tammy Baker Elizabethtown

Class V
 1 Dwayne Messick, 2 Steve Martz Millersburg, 3 Judy Fair Harrisburg, 4 Mike Messick 5 Sally Messick

SHOWMANSHIP
 Senior
 1 Monique Sweigard 2 Judy Fair 3 Brenda Fisher 4 Dwayne Messick 5 Dale Fisher

Intermediate
 1 Becky Webster 2 Tim Foreman 3 Tammy Baker 4 Sally Messick 5 Joe Loobey

Junior
 1 Mike Messick 2 Dwayne Coble 3 Amy Bowman 4 Shannon Puglise 5 Garth Sweigard



Mike Messick dispelled all fears of showing jitters and handled his steer with confidence to earn junior champion showman honors.

Technology & energy are major farm challenges

COLLEGE PARK, MD. — Adopting existing technology, accepting new technology and coping with rising energy costs are the three major challenges facing America's farm industry for the 1980's, according to the director of research at the Maryland Agricultural Experiment Station (MAES), University of Maryland.

In a speech delivered Nov. 4 at the 16th Annual Maryland Agricultural Leaders Forum in college Park, Md. W. Lamar Harris said agricultural industry leaders who have not taken advantage of changing technologies and those who fail to grasp new ones on the horizon may find their competitive positions adversely affected.

"Although, in general, society benefits from the introduction of new technology, the transition that takes place following the introduction of new technology can be exceedingly painful, and unquestionably this is one of the challenges agriculture will face during the 1980's," Harris said.

Those who have adopted the technological changes of the last 25 years and those who adopt technology changes of the last 25 years and those who adopt technology on the horizon, such as microcomputers, will displace their less competitive counterparts, he said.

In addition, Harris said, rising energy costs will continue to drive a wedge between depressed farm prices and increasing consumer prices.

Marketing, that area including "everything that happens between

the farm gate and the final consumer," is where the greatest energy challenges will take place in the coming years, according to Harris.

"Rising energy prices in the marketing sector will both depress farm prices and raise consumer prices," he said.

In addressing state agricultural leaders, Harris also cited such challenges to the farm industry as:

* The need for a "far more educated, more sophisticated

labor force in our farming operations" to handle increasingly complex technology on the farm;

* The need to reassess crop production schemes now that agricultural research is "beginning to see some progress in the area of genetic engineering" of food crops;

* The need to evaluate new technology that benefits the farmer and the consumer through increased efficiency in marketing.

Agent explains safe use of weed sprayers

UNIVERSITY PARK — It is not too late to spray broad leaf weeds in your lawn such as dandelion, chickweed, plantain, ground ivy, etc., and when you are thru, make sure you clean your sprayer after each use, says James J. McKeehen, Delaware County Extension Agricultural Agent. Here are some recommendations:

✓ Washing thoroughly with water and a detergent is enough if the herbicide you use was not phenoxy type material such as 2,4-D, MCP, or dicamba.

✓ Water and detergent is also satisfactory after using 2,4-D, MCP, or dicamba provided you are not going to use the sprayer later for spraying insecticide or fungicide on your garden or ornamental plants.

✓ If you used 2,4-D, MCP, or dicamba, and are going to use the sprayer for fungicides or insecticides, clean it with activated

charcoal or household ammonia. Activated charcoal is preferred because it cleans very rapidly, but household ammonia will also work.

✓ When using activated charcoal, put one ounce of it together with one or two ounces of household detergent in two and a half gallons of water. Agitate thoroughly.

✓ Operate the sprayer with this mixture in it for two minutes and it will be clean.

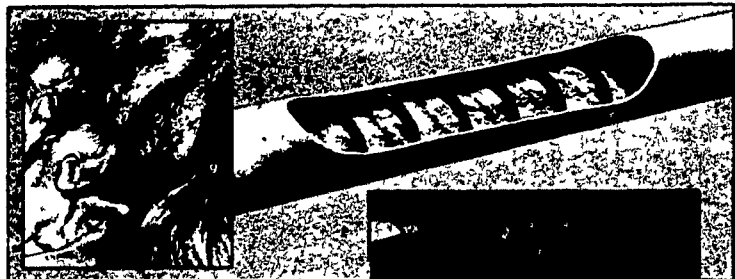
✓ If you use ammonia, make a solution of two tablespoons of ammonia in a quart of water.

✓ Fill the sprayer with the solution and spray a small amount through the nozzle.

✓ Let the rest of the solution stand in the sprayer overnight. Then pour out the solution and rinse the sprayer twice with clean water.

✓ Spray part of each rinse through the nozzle.

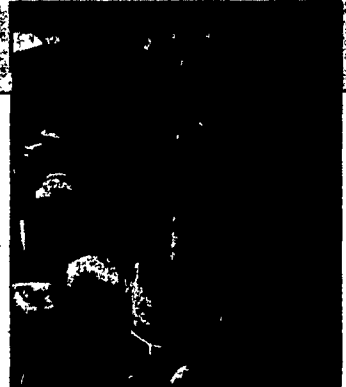
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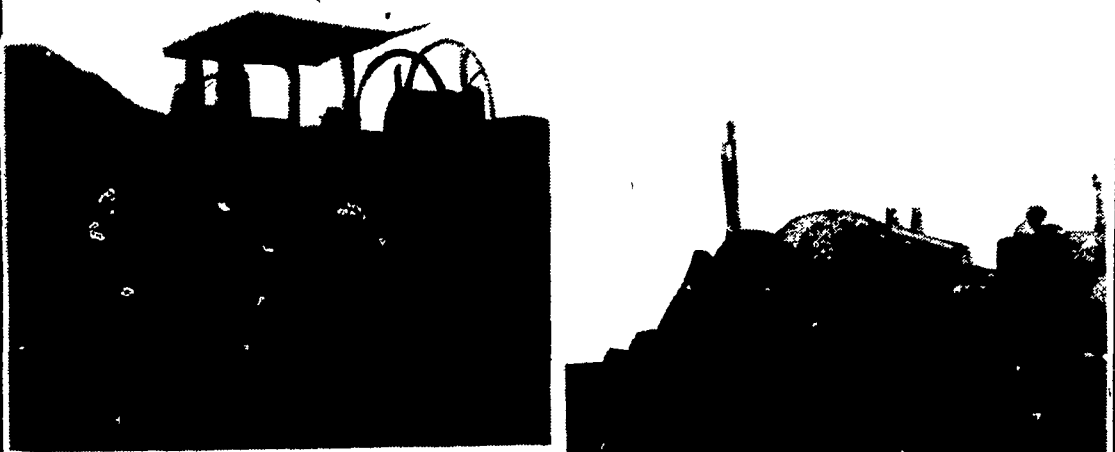
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Farming's Futures

By David K. Sauder
Commodity Advisor
Trade.Tech, Lancaster



Here are several questions farmers ask about the futures market.

How do cash prices differ from futures prices?

Futures prices are quotes for delivering a designated quality of grain at a specific place at a specific time.

The delivery place (or places) is set forth in the rules governing the futures contract. The delivery time consists of certain designated days

during the delivery month.

It follows that grain delivered to a different place or at a different time is likely to have a different price. Such differences do, in fact, exist and are due primarily to transportation and storage costs.

The number of price possibilities is practically unlimited. For example, in a locality that normally ships its grain to buyers in Chicago, the cash price of corn in January is likely to be below the

March futures price by the cost of shipping grain to Chicago plus the carrying charge for storing grain from January to March. (If freight cost is 30 cents a bushel and carrying charges are 4 cents a month, the local cash price in January might be below the March futures price by a total of 38 cents a bushel.)

Local cash prices aren't always less than futures prices. In some areas of the country that enjoy a location advantage in relation to Chicago, cash prices are frequently or even consistently higher than futures prices.

The amount of the advantage in any given month is, as in any other community, affected by storage costs. For example, if in January the local cash price is 20 cents over the July futures price and carrying charges are 4 cents a month, the local price in February may be 24 cents over the July futures price. And by March it may be 28 cents over the July futures price.

What effect does location have on the cash price of grain?

Differences in location—or, more specifically, differences in transportation costs due to location—are certainly the major reason grain prices differ from one location to another. If one could imagine a situation in which all transportation were free or in which the cost of transportation were not related to distance, then the price of grain would be practically the same in every location. There would, of course, still be some differences—such as possible premiums for faster delivery or higher quality. Or, in some other community, prices might be lower because farmers lack storage space and are anxious to sell.

In the real world, however, it hardly needs to be said that transportation is not free and the cost of transportation is not unrelated to distance. Buyers seeking to purchase grain continuously take the cost of transportation into account in deciding what price to bid to one elevator versus their bid to another elevator.

As a result, sellers in some communities are at a definite disadvantage in terms of location and therefore in terms of price. They may, for example, be located a considerable distance from the nearest market where grain is used or assembled for export. Or

they may lack access to low-cost transportation. Or they may be at a disadvantage because their location does not give them a wide variety of marketing alternatives.

In contrast, sellers in some other community may enjoy a location that enables them to choose between several actively-competing markets for their grain. Or they may have an advantage because of several forms of inexpensive transportation. Or they may have both advantages.

It should be noted that price differences due to location are subject to change. A location that is at a disadvantage at one time may enjoy an advantage at some other time. For example, assume a certain community in Iowa normally ships its grain eastward for eventual processing or export and that the local price is typically lower than in communities which are close to these markets. Were there to be a suddenly short supply of grain in the Southwest and Far West, the ability to ship grain westward at a lower cost would, in all likelihood, be rapidly reflected in a higher price.

Yesterday's location disadvantage could become today's location advantage.

Send your questions on futures trading to Farming's Futures, Lancaster Farming Newspaper, Box 366, Lititz, Pa. 17543.

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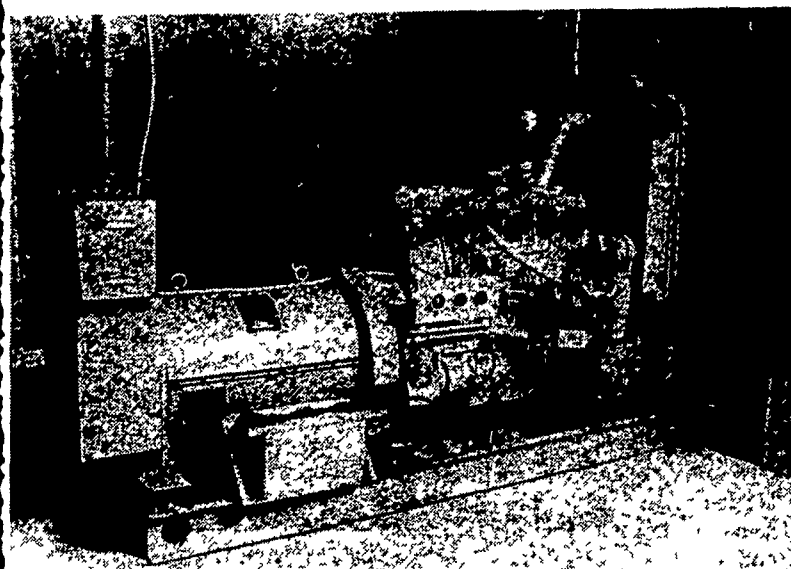
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U.S. 1981 ag exports set record

WASHINGTON — U.S. agricultural exports of fiscal 1981 totaled \$43.8 billion and set a record for the twelve straight year, according to Richard A. Smith, administrator of the U.S. Department of Agriculture's Foreign Agricultural Service. Agricultural exports ran \$26.7 billion higher than imports, and this favorable balance also set a record.

Smith said export tonnage in 1981 was nearly the same as the previous year and that the 8 percent increase in dollar volume resulted from higher unit prices for U.S. products.

He said U.S. agricultural import dollar volume is expected to show a 1 percent decline for the fiscal year just ended, leaving an

agricultural trade balance surplus of about \$26.7 billion for fiscal 1981, 15 percent more than the trade balance in fiscal 1980.

Smith said the past year's agricultural trade was affected by a number of general economic factors, such as a sluggish worldwide economic performance and the dramatic appreciation of the dollar, which combined to dampen worldwide demand. As a result, the record U.S. agricultural export level was less than the \$48 billion forecast a year ago.

The 1981 fiscal year exports showed substantial dollar increases for wheat and flour (up 22 percent), fruits, nuts and vegetables (up 18 percent) and sugar and tropical products (up 61 percent).

The leading dollar earner — grain and feeds — had sales of \$21.7 billion, up 18 percent from last year. U.S. exports of wheat to China, the leading wheat importer with sales in excess of \$1.4 billion, was nearly double the volume of fiscal 1981. Japan, number one in total U.S. agricultural sales, led all countries in feed grain shipments of 15.6 million tons, valued at \$2.4 billion, 25 percent above a year earlier.

The volume of wheat and flour exports rose 6.2 million tons to 43.2 million, but feed grain shipments of 69 million tons were down 3 percent. Exports of all major oilseeds and major cakes and meals were down from fiscal 1980 levels.

Shipments to the EC were down

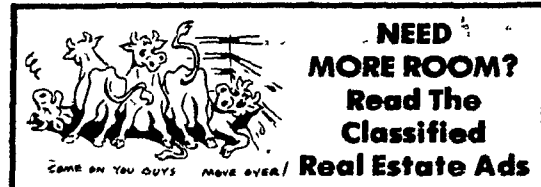
20 percent in volume and, as a result of the trade suspension, exports to the Soviet Union were zero, compared with 817,165 tons last year.

Cotton exports (excluding lint) totaled 5.6 million (480 pound) bales, 39 percent fewer than last year.

Smith said he expects a substantial increase in volume in fiscal 1982 with the possible ex-

ception of rice and sunflowerseed. He also said a significant recovery in export volume of soybeans and products in 1981-82 is expected as a result of reduced foreign competition and renewed growth in foreign countries.

He said prices for most U.S. agricultural products will likely be lower for the upcoming fiscal year, resulting in a smaller increase in total value.





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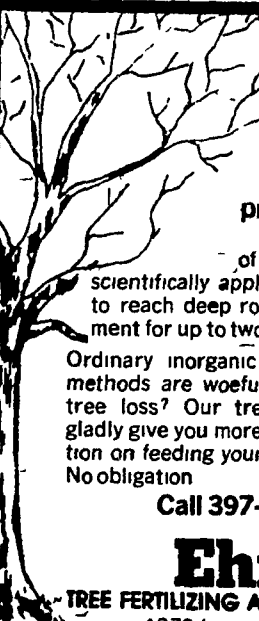
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Ayrshire president calls for increased registration

BY DONNA TOMMELLEO

BROWNSTOWN — National Ayrshire president Earl Keefer, Millersburg, expressed concern about the economic crunch and urged Ayrshire breeders to increase registrations and breed for the future.

"We need to be concerned about

what our cow is doing 10 years from now," Keefer said.

Speaking before the Annual Meeting of Southeastern Pennsylvania Ayrshire Breeders, Friday night, Keefer reported that the national organization enjoyed one of its better years during most

of 1981.

However, Keefer said, that by the fall the organization began to feel the effects of the economic situation.

"People are paying bills," Keefer commented, "instead of registering cattle."

"We need to be diligent about registering our cattle. This is a necessary step for the organization to fulfill its obligation to the breeders."

Milt Brubaker, Litz, secretary and treasurer of the state Ayrshire

organization, expressed optimism after returning from a Western Pennsylvania tour of Ayrshire farms.

"It is encouraging to see the number of young Ayrshire farmers in that end of the state," Brubaker reported.

He also introduced the idea of a possible joint sale with Western Pa. breeders.

Out-going president Robert Campbell, Narvon, passed the gavel to new president Ed Henley, Cochranville.

Southeastern members elected new directors as well as retaining incumbents. When the voting ended the executive slate was as follows: president — Henley; vice-president — Glenn Seidel, Womelsdorf; secretary-treasurer — Betty Henley, Cochranville; directors — Warren Schmuck, Peach Bottom; Bob Campbell, Roy Mentzer, New Holland; Thomas Hostetter, Annville; Red Rose DHIA — James Martin, Stevens; state director — Harold Kulp, Pottstown.

Program analyst joins Del. ag college staff

NEWARK, Del. — John D. Pesek has joined the staff of the College of Agricultural Sciences at the University of Delaware as a senior programmer/analyst. He holds M.S. and Ph.D. degrees in mathematics from the University of Michigan and an M.S. in statistics from Purdue University.

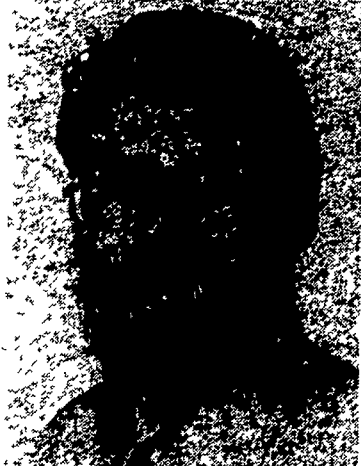
Pesek will help faculty and graduate students set up research experiments, analyze and in-

terpret data, using the computer as a tool. Where needed he will also write computer programs.

While at Purdue, he served in a similar capacity, assisting researchers there on a number of agricultural-related projects. These included a study of the effects of environmental factors on corn borer behavior, a comparison of the toxicity of two types of poultry feed contaminant, and research aimed at developing a diagnostic test for a hard-to-detect swine disease.

Using the computer speeds research, says Dr. Raymond C. Smith, head of Delaware's department of agricultural and food economics. With it, less time is spent processing and analyzing data. And, since the computer can handle far more variables than most researchers would take the time to calculate by hand, you frequently get more complete results.

Pesek will work out of the new computing center which has been installed in Agricultural Hall as part of the college's current remodeling plan.



John D. Pesek



Southeastern Pennsylvania Ayrshire breeders, Friday evening, chose this group to fill executive and directorial positions in the organization. Sitting from left to right the group includes: Warren Schmuck, Peach Bottom — director; James Martin, Stevens — Red Rose DHIA; Glenn Seidel, Womelsdorf —

vice president; Harold R. Kulp, Pottstown — state director; standing: left to right; Thomas Hostetter, Annville — director; Roy Mentzer, New Holland — director; Bob Campbell, Narvon — director; Kennard (Ed) Henley II, Cochranville — president; Betty Henley, Cochranville — secretary-treasurer.

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Red Rose 4-H'ers 'splash' their way to victory

LANCASTER — When it rains it pours. Just ask Debra Grieder who took not one but three top awards, Monday, during the Lancaster County 4-H beef show at the Lancaster Stockyards.

On that rainy fall afternoon, Greider led her 1,180 pound Limousin-Angus steer to top honors as it was tagged grand champion.

Earlier in the competition, judge Henry Gruber, Allentown, also gave Greider's steer the nod for first place in the light heavyweight class.

And as the rain continued so did Greider's winnings. Before the day ended, the Columbia 4-H'er was named grand champion showman and fitter.

Gruber chose Jay Reiff's 1,120 pound Angus-Limousin crossbred for reserve champion. The Lititz youngster also took a first place for showing and fitting in the 12 to 15-year-old division.

In his second year of showing, Chris Little, 10, placed first for showing and fitting in the under 11 years division. The Kirkwood 4-H'er competed with his 1,075 pound

Chianina-Angus crossbred which placed first in the lightweight class.

A panel of 4-H leaders and Extension agents selected several steers for Farm Show competition.

Additional results of the Lancaster County 4-H beef show follow:

Lightweight

1. Chris Little; 2. Carol Grieder, Manheim; 3. Bill Coyne, Quarryville; 4. Jamie Frey, Quarryville; 5. Richard Hollinger, Elizabethtown

Medium weight

1. Jay Reiff; 2. John Frey, Quarryville; 3. Jeff Craig, Not-

tingham; 4. Anna Marie Frey, Quarryville; 5. Fritz Frey, Quarryville

Light Heavyweight

1. Debra Greider; 2. Mike Craig, Nottingham; 3. Dwayne Gernert, Manheim; 4. Ernie Frey, Quarryville; 5. Jan Waltz, Manheim



Chris Little, 10, is all smiles after taking first in showing and fitting for 4-H'ers under 11-years-old. Chris also placed second in the overall showing and fitting competition. The Kirkwood youngster, the son of Hamilton and Cassandra Little, is at the halter of his Chianina Angus steer which placed first in the lightweight class.



Grand champion showman and fitter, Debra Greider proudly displays her 1,180 pound Limousin-Angus steer which was also named grand champion, Monday during the Lancaster County 4-H beef show. Debra is the daughter of Robert and Marian Greider, Columbia.



Jay Reiff, 14, sets his reserve grand champion steer. The 1980 June calf is an Angus-Limousin steer which captured first place in the medium weight class. Jay, also

named top showman and fitter in the 12 to 14 year division, is the son of Ivan and Anne Reiff, Lititz.



Show judge Henry Gruber, Allentown, examines a class of steers as he and several 4-H'ers and onlookers braved the steady downpour during Monday's show.

Book offers flower arranging techniques

UNIVERSITY PARK — A retired Penn State professor of floriculture has published a new book entitled "American Style Flower Arranging."

Peter B. Pfahl co-authored the book with Elwood W. Kalin, professor of floriculture at Washington State University.

Pfahl taught for 31 years at Penn State before retiring in 1979. His specialty was flower arranging. Earlier he wrote a book entitled "The Retail Florist Business," now in its third printing.

Published in October by Prentice-Hall, the new volume is now being distributed to bookstores. Pfahl describes it as, "A comprehensive, illustrated in-

troduction to the design and construction of flower arrangements for use in the American home."

"American Style Flower Arranging" is one of the few textbooks devoted to the teaching of this subject, Pfahl said. It is written for use by four-year and two-year college students, trade school and high school students, and garden club members.

The book reviews the history of flower arranging, flower arrangement design, and use of color in design. Plant materials, including their handling and care, are given. Included also are designs for holiday arrangements and for home and church displays. Arrangements of dried and silk flowers are featured, and the book includes flower arrangements for competition.



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Farmers can find worthwhile benefits in 1981 tax cut package

KANSAS CITY, Mo. — The Economic Recovery Tax Act, which will mean lower taxes for everyone, also holds extremely important opportunities for the nation's farmers who are more than ever concerned with the necessity of solid tax planning strategy.

Look for tax breaks, say tax specialists from H & R Block, Inc., in areas including estate tax regulations, lowered corporate tax rates, investment tax credits, and equipment and vehicle depreciation. Most dramatic are the changes forthcoming in estate taxation, whereby taxes will be completely eliminated for estates up to \$600,000 in value — a critical plus for families owning farms.

While the effects of any one of these cuts may not be as much as hoped, they will become meaningful to today's farmer, whether large- or small-scale, when considered with the general tax cuts such as the 25 percent reduction of rates over the next two and a half years," says

Thomas A. Bloch, president, tax operations, H & R Block, Inc.

An area of general interest which will impact the farmer favorably is the increased ceiling on the amount of money the self-employed farm operator will be able to contribute to Individual Retirement Accounts which are currently tax-free to \$1,500. The allowable amount, effective January 1, will be \$2,000, or \$2,250 for spousal accounts (accounts for families with one working and one non-working spouse). Also increased are maximum total contributions, which will be \$15,000, up from \$7,500, for self-employed (Keogh) Retirement Plans.

Farmers will also be positively affected by new rules regarding depreciation write-offs, which should be generally favorable to farmers.

As a result, points out Bloch, the farmer will benefit from taking a close look at those tax opportunities which have been made available through the Accelerated

Cost Recovery System.

Sometimes referred to as "10-5-3," the legislation establishes new, clearly outlined recovery periods for eligible categories of buildings, equipment and vehicles, along with longer 15-year periods for certain real estate holdings. This system will replace the current "useful life" method of depreciation.

With each recovery period are delineated specific percentage tables. The effective rate for assets placed into use in years 1981 through 1984 is 150 percent declining balance, switching to straight-line to take maximum advantage of the deduction.

In 1985, this rate will increase to 175 percent, with another increase in 1986 to 200 percent. Those who will not benefit or who do not wish to use an accelerated writeoff will be allowed to use a straight line writeoff over the specified recovery period or over a longer specified period.

• Three-year property is defined as cars, light trucks, and

machinery used in research and development activities. For assets placed in service in tax years 1981-84, you can deduct 25, 38, or 37 percent of the unadjusted basis, respectively, over the three-year period.

• Five-year property covers all other machinery and equipment, grain bins, fences, etc. Five-year property placed in service in 1981-84 will be written off at 15 percent the first year, 22 percent the second, and at 21 percent the next three years.

• Ten-year property category includes owner-occupied business property. For farmers this includes barns, outbuildings, livestock structures, and so on. The writeoffs for ten-year property placed in service in 1981-84 are 8 percent for the first year, 14 percent for the second, 12 percent for the third, 10 percent for each of the next three years and nine percent for each of the four remaining years.

Farmers should note that each of these percentages will increase in

1985 and again in 1986, noted Bloch.

Rules for recapture of unearned investment credit have also been made more favorable. A percentage of the credit will be allowed for each full year that an asset remains in service. The total credit allowable for a year's period will be 33 1/3 percent of the total for three-year property, and 20 percent of the total for 5-, 10-, and 15-year property.

The present period for carryover of unused job credits, investment tax credits and net operating losses has been extended retroactively. Farmers may carry over for up to 15 years — as opposed to the current seven — those NOLs sustained in tax years after 1975, WIN (Work Incentive Credits), and investment credits earned in years after 1973, and job credits earned after 1976.

For those farmers using alcohol or gasoline as fuel, note that a 15-year carryover period will apply where such credits total more than

(Turn to Page D10)

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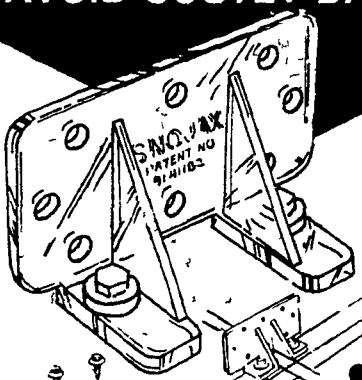
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(Continued from Page D9)

the tax bill due, as figured on Form 6478. This is applicable only to fuel purchased after Sept. 30, 1980. The credit is 40 cents per gallon for alcohol fuel of at least 190 proof, and 30 cents per gallon for alcohol that is between 150 and 190 proof.

Whether a farming operation is incorporated or unincorporated, operators will benefit by a new first-year writeoff for investments in plants and equipment.

Under this provision, designed to help the small business (effective tax year 1982), business owners will be able to write off up to \$5,000 in investments in the year of purchase, rather than taking those writeoffs over several years under the cost-recovery system. This ceiling will be raised to \$10,000, in two steps, by 1986.

The problem of burdensome estate taxes, an increasingly

troublesome area, will find some relief, with excludable property value seeing a sizeable jump from the current \$175,000 to \$600,000 over the next five years. Taxes will be totally eliminated where the estate transfer is between spouses, rather than the \$250,000 (or 50 percent of estate value) allowed under current regulations. The gift tax has also been liberalized.

With tax cuts imminent, farmers will do well to pay special attention to income control, planning both receipts and payment of expenses for maximum advantage. In many situations, it may be advisable to delay constructive receipt of income into tax year 1982, taking benefit of next year's considerably lowered tax rates.

"With taxes as related to farm business management becoming increasingly more complicated in the past several years, farmers are finding it incumbent to pay

No wins, no losses in latest Spanish vegetable oil quotas

ST. LOUIS, Mo. — American Soybean Association leaders reacted with guarded optimism to the Nov. 3 General Trade Agreement on Tariffs and Trade (GATT) Council's decision to "note" a GATT panel report that supported Spain's internal vegetable oil consumption quotas.

The Council's action, which neither officially adopted nor reversed the ruling, made the panel's report neutral and thus unacceptable as a precedent in

close attention to tax planning in general," said Bloch. "However, this is especially true in future years, when the far-reaching 1981 Economic Recovery Tax Act begins to take effect. Opportunities for benefits are there, and should be taken advantage of."

future cases.

"The most significant thing about the ruling is that other nations will not be able to use the panel's report as a precedent in establishing their own internal consumption quotas," said ASA President Charles Hamon. "This is a satisfactory solution to an unsatisfactory situation, but ASA continues to believe that the Spanish quotas are unfair and illegal. We will continue to protest actions by other countries to impose similar trade restrictions, and we will continue to urge the U.S. government to take strong actions," he said.

Last Tuesday's GATT Council meeting in Geneva brought forth strong support for the U.S. position on the issue. Twenty-two nations including Japan, Brazil and

Canada supported the U.S. opposition to the Spanish quotas.

Hamon notes Spanish domestic consumption quotas are still in place keeping alive the possibility that Spain could eventually lower the quota to zero. Also, the question still exists of what will happen when Spain becomes a member of the European Community and whether other countries will try to adopt similar quotas.

Current regulations in Spain allow Spanish crushers to sell only 90,000 metric tons of soybean oil produced from imported soybeans. The remaining oil must be exported. Recent estimates are that Spain is exporting about 400,000 metric tons of soybean oil produced largely from U.S. soybeans.

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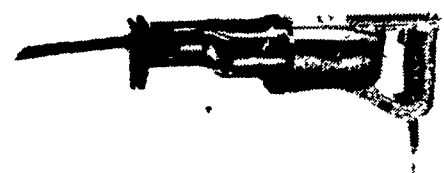
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Hereford certificate combines pedigree and performance

KANSAS CITY, Mo. — The American Polled Hereford Association has announced the release of a new performance pedigree for the breed. The most complete merger of ancestral and performance data in the industry, it combines pedigree and performance data in one certificate.

"Complete" is the key word in describing the new certificate, as it includes evaluation for maternal, growth and carcass traits. Breeding values are calculated and an accuracy rating is included for each estimated breeding value.

For each animal, registered with the APHA, the new certificate will include a three-generation ancestral record; EBVs and accuracy ratings for birthweight, weaning weight, maternal traits and yearling weight; the individual's performance information on the subject animal, its sire and dam; and the progeny record of the subject, its sire, dam, paternal and maternal grandsires. All of this is on one page in a simple form that is easy to read and understand with just a little practice.

EBVs are the most current, modern and up-to-date selection tools available in the beef industry. They represent the step beyond the traditional performance records. In calculating EBVs, the performance record of the individual and all of its naturally raised sibs and half-sibs (on both the sire's and dam's sides), and the records of all the naturally raised progeny of paternal and maternal grandsires are used.

The greater the number of records contributing to the EBV, the more accurate it will be. With the wide-spread use of performance records and artificial breeding to outstanding sires,

there should be performance data available on most APHA-issued pedigrees.

Performance information will be presented in three sections.

COLUMBIA, Mo. — Cattlemen's efforts to reduce stress and provide proper nutrition for new feeder steers are important keys to making profit in the cattle business, contends Homer Sewell, University of Missouri-Columbia extension cattle feeding specialist.

"The death of a feeder steer worth \$300 to \$400 can absorb the profit from another 10 to 15 head, even when cattle feeding is more profitable than it has been in the past couple of years," he says.

"Prompt delivery to the feedlot and other measures to reduce stress in the marketing, transporting and receiving of feeder cattle will help reduce, sickness and death loss."

Sewell says proper nutrition of new feeders is a big help in keeping down health problems and giving cattle a fast start in the feedlot. He and other cattle feeding specialists make these recommendations.

—Feed natural protein for the first two to three weeks in the feedlot. Then consider changing to non-protein nitrogen.

—Feed two to three times daily. That provides more opportunity to observe cattle and make rapid adjustments in amount of feed.

—If adequate minerals are not included in the ration, provide a supplement, free choice of salt and dicalcium phosphorus at a ratio of 60 to 40.

"Receiving rations should be

Production records include calving ease, weaning weight and yearling weight; maternal records will include the calving ease of an

individual's first-calf heifers and the weaning weights of their calves; and Gold Seal records will calculate carcass cutability and

lean weight per day of age from animals on the Gold Seal portion of the APHA's Superior Sire Program

Don't stress new steers

well fortified with nutrients to supply daily needs of cattle. That's because the amount of daily feed intake is low and certain nutrients may have been depleted in the animal during the off-feed time and stress period prior to arrival at the feedlot," Sewell said.

Protein levels of 13.5 to 20 percent of the ration's dry matter have been recommended for receiving rations in calves, Sewell says.

Recommendations also vary on energy levels or the ration of grain to roughage in receiving rations for new cattle.

California researchers found a 72 percent concentrate ration gave them fastest gain for starting 180- to 350-pound feeder calves. And a New Mexico State University study showed that medication costs were reduced by providing free choice hay the first week when a 75 percent concentrate ration was fed to 350 pound calves.

As for vitamins in receiving rations for cattle, Sewell says the studies there are "inconclusive."

For example, a Texas study showed no value for vitamin B additions to receiving rations. But some studies have shown a response from 50 to 250 parts per million of a B vitamin in starting rations.

As for vitamin A, studies show stressed cattle may have impaired ability to convert carotene to

vitamin A for metabolic use.

"Receiving rations should be fortified with enough vitamin A to meet the animal's needs without dependence upon carotene sources," Sewell said. The cattle requirement for vitamin A is about 2,000 I.U. per 100 pounds of body weight or 1,000 I.U. per pound of ration.

"Levels two to three times this are needed for liver storage of vitamin A. So about 2,000 to 3,000 I.U. per pound of ration should be adequate for receiving rations."

Since Rumensin depresses feed intake, Sewell said, it should be left out of starter rations or fed at a reduced level (10 grams per ton) for the first two to three weeks cattle are on feed.

He said buffers such as sodium bicarbonate may help keep down digestive problems when cattle are started on corn silage and high grain rations. He recommended sodium bicarbonate at the rate of 1 percent of the ration's dry matter or 1½ to 2 ounces daily.

Ocker gets land judging award

CHAMBERSBURG — Wilmer Ocker, a Vo-Ag student at James Buchanan Senior High School, was awarded a \$50 savings bond from the Franklin County Conservation District Directors for being the County Land Judging Contest winner.

The contest was held recently in conjunction with Vo-Ag Field Days at Mont Alto Campus. Ocker is the son of Mr. and Mrs. Harvey Ocker, Warm Spring Road, Williamson.

Accompanying Ocker for this presentation was Blaine May, President of the Franklin County Vo-Ag Teachers Association.

Plans are being completed for the District's Tree Seedling Sale

this coming spring. Order forms will be made available at a later date.

John Akers, District Conservationist for the Chambersburg office of the USDA Soil Conservation Service, gave a report of his office's activities for the month.

Beverly Kauffman, District Manager, gave an update of erosion and sedimentation complaints received during the first quarter of new Erosion and Sediment Control Program administered under the DER, Bureau of Soil and Water Conservation.

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Foliar urea boosts corn yields in Del. study

NEWARK, Del. — In a three-year field test at the University of Delaware Agricultural Experiment Station, urea has outperformed the standard, ammonium nitrate, as a foliar applied nitrogen for field corn.

"The superior performance of

urea appears to be a result of less leaf burn and greater nitrogen absorption through corn leaves," reports agronomist William H. Mitchell, who conducted the test.

"Although not more than 30 percent of the applied nitrogen may actually be collected in leaf

whorls or remain on leaf surfaces, this among is sufficient to increase the nitrogen level of leaf tissue and subsequent grain yields," he says. "Response of field corn to foliar applications of urea contrasts with soil applications, where urea is frequently less effective than

ammonium nitrate."

Urea is generally less expensive and about 30 percent more concentrated than ammonium nitrate.

Most aerial applications of nitrogen serve as "rescue treatments" designed to correct deficiencies that have developed as a result of leaching or denitrification of earlier applied

nitrogen. Aerial treatments are therefore usually delayed until corn is three to four feet tall which limits application equipment to high-clearance tractors and airplanes. In both cases, because of limited storage space, urea has a distinct advantage over the less concentrated ammonium nitrate, Mitchell says.



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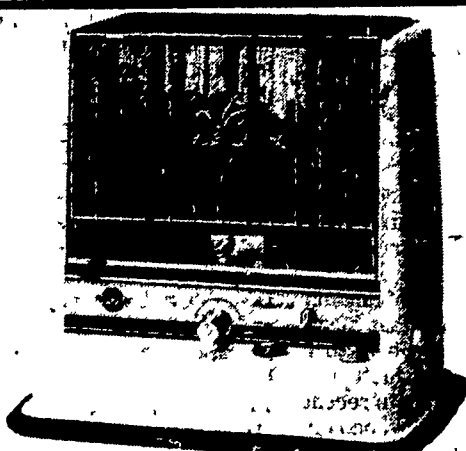
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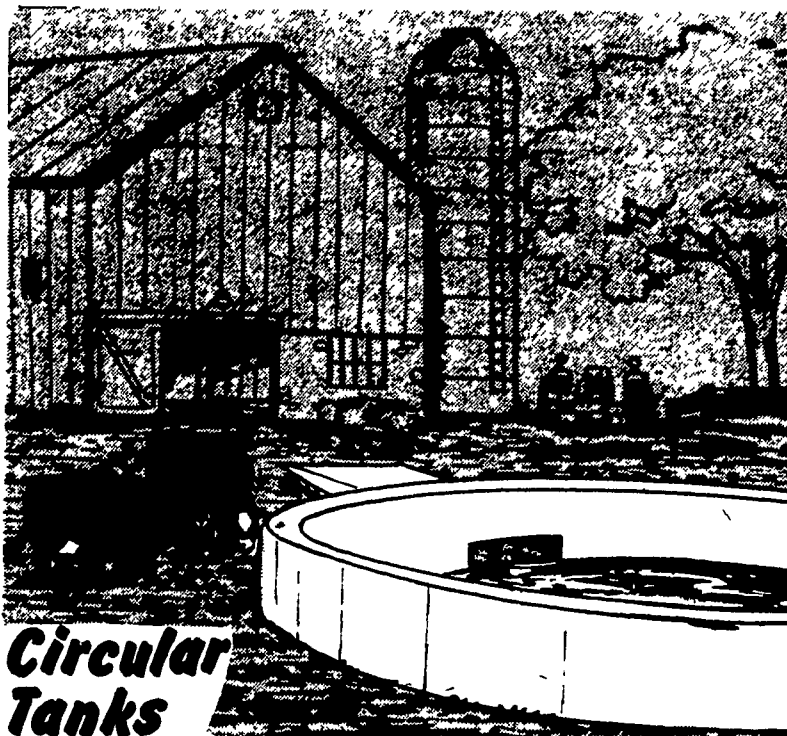
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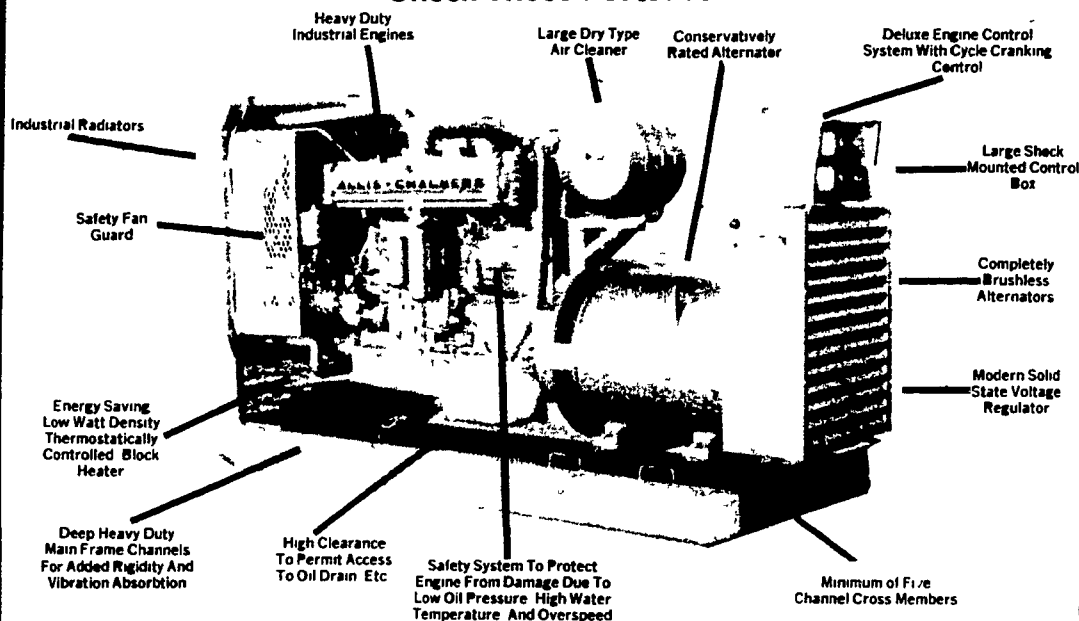
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Farm Talk

Jerry Webb

Delmarva farm country growing bigger

Delmarva farm country is getting bigger.

That may sound different from what people have been led to believe for so many years. Sure I know farmland is being gobbled up for housing, highways, parking lots, and some other uses. A sizable chunk is gone and will never return to farming.

But while this has been happening, many farmers have been finding ways to make their farms bigger. A combination of land prices and other factors have encouraged them to bring new land into production — acres that grew only trees or marshgrass or pasture.

So today, any tour through the lower Delmarva peninsula will reveal more land clearing and draining activity than highway and shopping center building. And while I don't have figures on this exchange, I'm sure there will be more total acres farmed this year than last.

The trend really picked up steam about 1973 when farm incomes

improved dramatically and when the secretary of agriculture called on farmers to plant their ground right up to the fence rows.

The fact is there's lots of land on the peninsula that isn't that busy. Land covered with scrub timber costs a lot to get into production — more than it was worth until recent years. But as farmers searched for ways to expand their farming operations, land clearing for many of them became a better alternative.

Consider the option of buying a neighboring 100 acres already in agricultural production or clearing 100 acres a farmer owns. You can figure \$2,000 an acre minimum to buy land. And it's not always possible to buy land that joins or is even convenient to the home farm.

On the other hand, depending on how it's done, land can be cleared of timber at perhaps one-third that cost. A farmer can often market some timber, then hire someone to come in and clear up what's left, pull the stumps and burn the debris.

No doubt it's cheaper to clear land than it is to buy land. And at the clearing price, it makes economic sense to do it to expand production of soybeans that sell for \$7 or more a bushel.

The impact of that economic situation is simply that a lot of land is still being cleared.

Land drainage likewise has become more worthwhile so the continual problem of tiling and ditching moves ahead as growers reclaim open ground that in the past was too wet to farm. Some of the peninsula's wet ground isn't the very best, but it will produce good crops if it's handled properly and if enough fertilizer is used. And some of it is very good once the drainage problem is solved.

Farms are getting larger in another way — one that doesn't really add acres — as more and more farmers turn to double-cropping. Farmers who were once quite happy with an annual corn crop planted in April and picked in December now want a second crop. So they harvest in September, plant small grain for harvest in late June and follow that with a crop of soybeans. In two crop years they harvest three crops — their 200 acres now equal 300. Some farmers grow even shorter season vegetable crops and get two harvests every year.

Other techniques such as maximum fertilizer use and irrigation double and even triple crop yields. Add all this up and it's easy to see why Delmarva farms are getting bigger.

A 200-acre farm that used to be half woodland yielded only 50 bushels of corn per acre each year. But now, due to land clearing and drainage, all 200 acres are productive. Fertilizer, irrigation and other production technology increase yields and double-cropping adds a whole new dimension.

So, instead of binning 5,000 bushels of corn, that farmer grows twice as many crops on twice as many acres and gets three or four times the yield per acre — 30,000 bushels of corn one year, 15,000 bushels of barley, and 10,000 bushels of soybeans the next. That's 55,000 bushels of grain from

that same farm in two years compared to only 10,000 bushels a few years ago.

Any way you look at it, Delmarva farm country is getting bigger. Consider the world food situation and the pressures that exist for land, it's a comforting realization.

Subsurface drains need proper maintenance

LEESPORT — If properly maintained, subsurface drains should function well for many years, says Tina Didyong, soil conservation technician of the Soil Conservation Service.

Trouble in drainage systems occurs when soil washes into the drain and blocks the line. Lines can also be blocked by small animals and tree roots.

Most drainage failures can be prevented by regular care and inspection of the drain lines, adds Didyong.

If wet spots or cave-ins are noticed over drain lines, this is an indication that the tile could be broken or dislocated. If water stands in low areas for a few days, the drain is partly or completely blocked.

Surface inlets often become sealed with trash and should be checked regularly. Open inlets require frequent cleaning and trash removal from the protective

grates, where as a filtered inlet requires replacement of clean sand, gravel or rock as areas become clogged with sediment.

To prevent rodents and other small animals from entering and blocking outlets, insert pins horizontally through end of pipe 1½ inches apart or install a flap gate for lines with surface inlets. Periodically check outlet to be sure roots and other debris do not block opening between pins. Replace pins and flap gates when they wear out or are damaged.

The outlet pipe usually empties into an open ditch or channel. Sediment accumulation and vegetation can block the pipe, reduce flow in the drain and cause sediment to accumulate in the line. Periodic ditch cleanouts will maintain free drainage outlets.

For more information on subsurface drains, contact the U.S. Soil Conservation Service.

Broiler placements

HARRISBURG — Placements of broiler chicks in the Commonwealth during the week ending October 31 were 2,148,000 according to the Pennsylvania Crop Reporting Service.

The placements were seven percent below the corresponding week a year earlier, but four percent above the previous week. Average placements during the past nine weeks were slightly below a year ago.

Placements in the 19 key poultry producing states were 72,406,000, four percent below the previous week but one percent above the same week a year earlier. Average placements during the past nine weeks were four percent above a year ago.

Broiler-fryers slaughtered in Pennsylvania under federal inspection for the week ending October 21 totaled 1,526,000, with an average liveweight of 4.11 pounds.

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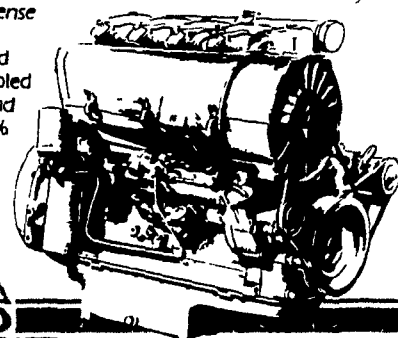
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Bedford DHIA celebrates 57th year

BEDFORD — This past September marked the 57th year of the Bedford County Dairy Herd Improvement Association and producers enjoyed a two-fold increase in average milk production per cow since 1930.

A cow in 1930 produced an average of 7,334 pounds of milk with an average of 4.6 percent butterfat test. Today in Bedford County, the average production is

14,717 pounds of milk per cow and 3.8 percent butterfat test.

Cow numbers also have increased significantly. In 1981, there are 6,574 cows on tests as compared with 354 cows in 1930.

Total feed costs jumped almost 18 percent since last year resulting in a 1981 average of \$762 per head compared with \$646 per head in 1980.

The DHIA reported 104 whole

year herds and 25 Owner Sampler herds for 1981. Led by president James Eshelman, the association consists of: Harry Hite—vice president; Don Kane—secretary-treasurer; John Holbert and James Weiler—extension agents; Hazel Brambley, Dean Grimes, Blair Ritchey and Barbara Mearkle—supervisors; Edward Deputy, Tom Wakefield, Clair Koontz, Steve Mowry and Daniel Smith.

G. Paul Replogle	B3	31 8	13,217	508
Bernard Hershberger	B3	122 1	14,420	507
Ray Snyder	G3	43 2	13,015	506
Ray & Margaret Amick	B8	39 8	12,223	504
Alton Over	B3	41 1	13,656	502
Donald E. Replogle	B3	33 4	13,515	498
Clarence Reasey, Jr.	B3	66 0	12,669	492
Paul Fisher	G3	45 6	12,994	492
Gregg Carbaugh	B8	25 8	12,304	489
Springton Manor Farm	3	79 1	13,097	488
Fred Claycomb	G8	51 1	12,106	483
Ned McDonald	B8	43 0	11,269	481
John R. Morral	B3	63 1	13,026	476
Harold D. Barkman	G3	47 5	13,196	475
Ralph E. Ritchey	B3	45 1	13,293	474
Jay & Jackie Claycomb	B8	64 1	12,761	470
Ted A. Tew	G3	40 6	12,558	468
Robert Smith & Son	2	39 4	10,556	460
Gary L. Long	B3	61 1	12,516	456
Joseph W. Styer	B3	46 7	12,233	453
Ray Grubb	B8	85 1	11,290	450

Listing of lifetime production certificates issued for 1981 in county

OWNER NAME OR NO.	BRD	Lactations	LBS. MILK	LBS. FAT
James Eshelman	3	9	164,748	6105
48	3	6	104,161	3775
157	3	6	102,125	4057
Robert H. Beach	3	8	165,440	5964
Star	3	8	142,646	5433
96	3	7	139,745	4999
125	3	8	139,455	6296
95	3	7	134,030	5881
110	3	8	116,106	4271
88	3	7	106,819	3893
120	3	6	106,377	3843
145	3	6	101,989	3597
157	3	6	124,279	4439
G. Paul Replogle	3	6	95,786	4069
7	4	6	81,920	4004
Harold D. Barkman	4	7	140,614	4919
Coca	3	8	138,566	4864
Stan el Jerseys	3	6	131,799	4285
Bobbie	3	7	117,062	4504
J. Allen Baker	3	7	106,455	4006
Ella	3	6	101,796	4239
Maxine	3	6		
Debbie	3	6		
Maddie	3	6		
Patricia	3	6		
Madge	3	6		

(Turn to Page D15)

List of DHIA RHA's by county by fat for the top 450 lb average

NAME	BRD	NO COWS	LBS MILK	LBS FAT
Harry W. Wareham	3	73 1	20,373	812
Jerry L. Hershberger	B3	78 6	19,799	777
Paul Den	3	77 1	18,569	749
Luther & Phil Steele	B3	66 7	18,178	743
Dale A. Baker	B3	45 1	18,140	735
Byron Over	3	54 3	19,572	721
Shaffer Farms	B3	60 6	16,449	704
Paul I. Detwiler	3	105 9	16,593	676
Obie Snider	3	160 6	16,568	646
Roger R. Brumbaugh	B3	40 8	16,581	644
Fred S. Steele	B3	38 1	15,654	635
J. Allen Baker	B3	119 9	16,936	635
Bernard Snider	B3	85 7	15,926	629
Sunny Four Farm, Inc.	B3	77 4	17,850	629
Paul R. Ritchey, Jr.	3	65 2	16,420	627
Anna & Henry Hall	B3	76 2	16,101	613
Edward A. Deputy	B3	117 9	16,988	608
William H. Helsel	B3	33 2	16,505	606
Clarence & Ken Mowry	3	188 8	16,612	604
Allen Claar	B3	51 5	17,114	604
James L. Steele	3	36 1	16,120	596
Denton Clark	B3	46 0	16,100	595
Charles Schaeffer	B3	38 4	16,373	694
Anthony Wertz	B3	49 0	16,144	589
Raymond Hinsh	3	57 5	15,292	589
Marlin Deterline	B3	64 4	15,462	588
Blair Brooke	3	49 8	17,110	586
Ray W. Hinsh	B3	65 0	14,616	585
Chet & George Erb	B3	66 9	15,891	584
Harold K. Corle	3	49 0	16,097	583
Daniel Smith	3	57 2	15,454	583
Robert Swartzwelder	B3	51 3	15,511	582
Ch. & Ross Hershberger	B3	133 9	15,517	582

R. Clair & Alan Koontz	B3	82 6	15,656	582
Dick & Eleanor Rice	B3	51 2	14,385	582
Ralaine Jerseys	4	61 2	10,400	578
George Garman & Sons	B3	40 7	14,602	570
James Eshelman	B3	94 5	15,259	568
Richard D. Reed	B3	68 2	15,734	566
Paul H. Rissler	B3	31 6	15,121	565
Robert H. Beach	B3	94 7	14,816	562
Edward L. Creps	3	49 0	13,992	560
Kim Karns	B3	38 6	15,052	559
Larry Beach	B3	54 5	15,416	558
JTJ Wakefield Farms	B3	90 3	16,811	558
Russell Wyles	B3	62 5	14,675	554
Donald Bowser	B3	55 5	14,634	554
Gatesway Farms	B3	80 9	15,083	544
Snyder E. Henry	B3	48 7	13,813	543
Stan El Jerseys	4	66 8	11,159	543
James & Lurie Stanton	B3	34 7	15,093	542
James R. Falvey	3	35 4	14,582	542
Dwight Kagarise	B3	62 1	14,167	541
David Moyer	B3	69 3	13,257	540
Max W. Hershberger	B3	56 5	13,499	539
Derry L. Over	B3	50 0	14,670	536
Andy T. Mohr	B3	42 7	14,036	536
Frazier Farms	G3	47 7	14,267	532
Robert Harclerode	B3	41 7	13,377	532
Henry & Ron Ritchey	B3	78 3	14,226	529
Blair L. Bennet	B8	50 5	13,897	527
Bernard Snider	2	49 0	11,479	526
Snake Spring Farm	B3	188 3	14,489	525
Larry & Shirley Imier	B3	53 0	13,925	525
Albert C. Fulmor	B3	92 5	14,557	524
Harry Brubaker	B3	64 5	14,693	521
Michael Stoltzfus	B3	34 8	14,888	516
B. & R. Zembower	B3	37 2	14,573	514
Jack E. Colledge	B3	81 6	14,663	514
Ronald M. Dively	B3	51 1	13,614	509
Keith & Berty Black	B3	42 3	13,465	509
Elwood & Rich Smith	B3	130 8	14,618	509

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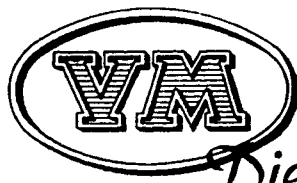
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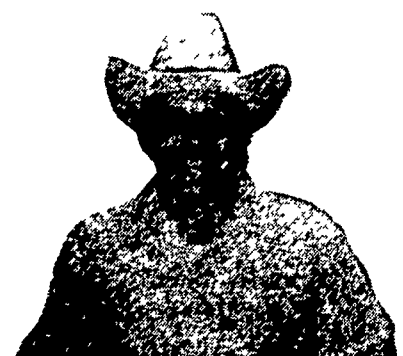
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(Continued from Page D14)

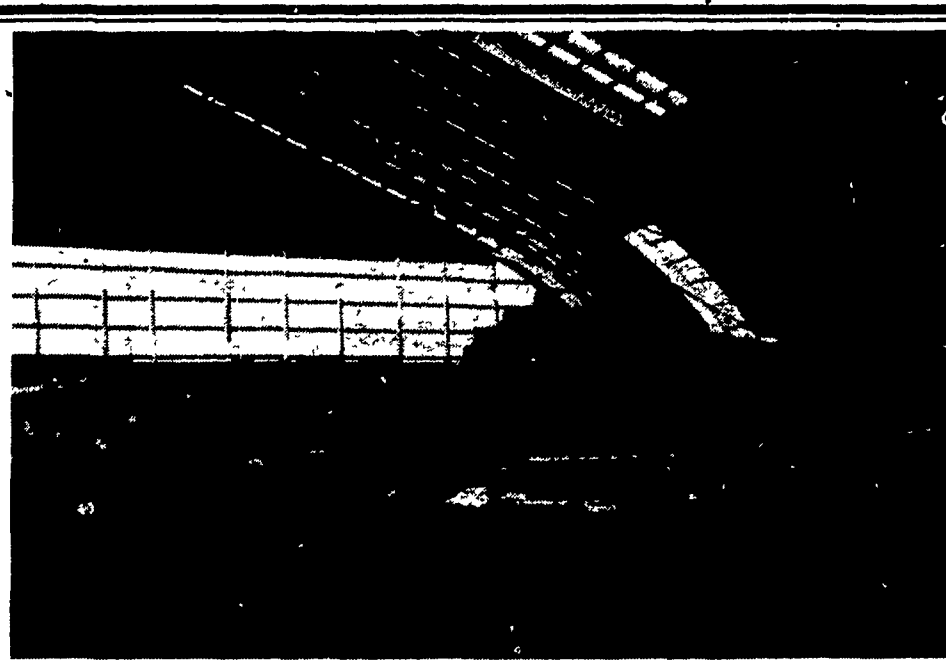
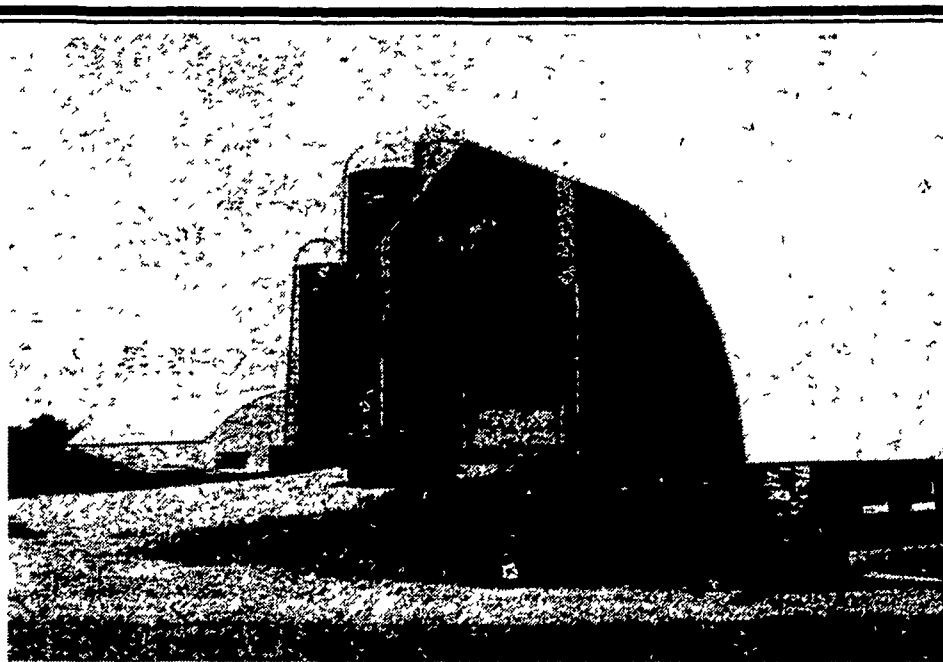
Elwood & Rich Smith	3	8	125,486	4514
Stella	3	6	112,381	4112
Janet	3	6	112,381	4112
Ray Snyder	3	10	141,664	5200
Lulu	3	10	141,664	5200
Ralph E. Ritchey	3	6	112,096	3785
Spotty	3	6	112,015	3486
Idol	3	6	111,131	3908
Sandra	3	6	111,131	3908
Dwight Kagarise	3	6	102,520	3591
Milly	3	6	102,520	3591
Robert Smith & Son	2	8	99,670	4457
Chris	2	8	80,591	4027
Brownie	2	8	80,591	4027
Russell Wules	3	7	131,534	4528
Mona	3	7	121,622	5149
Dawn	3	7	121,622	5149
Luther & Phil Steele	3	6	137,540	4845
Pensy	3	6	112,679	4399
Skyla	3	6	112,679	4399
Lassie	3	8	107,068	5598
Gleam	3	6	103,673	3763
Byron Over	3	7	157,627	5142
Marcia	3	7	138,597	4905
Mindy	3	6	129,222	4638
Glee	3	5	105,989	4027
Gem	3	5	101,739	3520
Puff	3	5	101,739	3520
William H. Helsel	3	5	102,715	3662
Kate	3	6	101,367	4239
Polly	3	6	101,367	4239
Ralaine Jerseys	4	9	97,325	4428
Jessie	4	8	96,605	5284
Crempuf	4	8	96,605	5284
Fred S. Steele	3	5	96,858	4401
Kattie	3	5	96,858	4401
Bernard Hershberger	3	6	119,809	4398
148	3	7	112,968	4369
9	3	6	105,932	4112
6	3	7	104,648	3424
78	3	8	103,567	3158
34	3	8	102,404	3608
10	3	7	94,583	4080
54	3	7	94,583	4080
Obie Snider	3	6	164,653	6251
Charmin	3	8	149,863	5173
Mia	3	7	139,685	5449
Starlet	3	7	137,840	5364
Mary	3	7	136,046	5074
Dana	3	5	124,188	5092
Priscil	3	6	122,663	5516
Ditty	3	7	120,575	4703
Beth	3	4	101,735	3798
Prudenc	3	5	100,508	4024
Caro	3	5	100,336	3681
Marlene	3	5	99,502	4276
Lining	3	5	94,493	4008
Gina	3	5	94,493	4008
Snyder E. Henry	3	11	190,651	6969
Sue	3	11	165,977	5931
Jackie	3	11	163,861	5434
Belle	3	9	154,065	5113
Sandy	3	9	154,065	5113

Comet	3	9	138,646	5700
Becky	3	8	110,600	4539
R. Clair & Alan Koontz	3	8	156,273	5733
Star	3	8	143,102	5371
Tammy	3	9	134,347	5285
Gayle	3	7	113,954	4789
Alli	3	6	109,565	3690
Snoopy	3	7	105,244	4686
Irma	3	7	105,244	4686
Henry & Ron Ritchey	3	9	140,714	5575
Julie	3	8	132,148	4758
Dinling	3	7	124,679	4720
Sunrise	3	7	115,453	3747
Mid	3	7	109,364	3464
Marlo	3	7	109,012	3808
Faith	3	7	100,506	3840
Elsie	3	7	100,506	3840
Gatesway Farms	3	8	123,310	4439
10	3	8	120,124	4321
49	3	8	120,124	4321
Max W. Hershberger	3	6	101,907	3798
12	3	6	101,907	3798
Jerry L. Hershberger	3	8	134,991	5005
Tillie	3	6	118,340	4759
55	3	6	115,173	4277
73	3	6	112,808	4334
57	3	6	112,310	4519
24	3	5	112,196	4897
77	3	6	110,682	4699
26	3	6	110,651	4282
Dina	3	6	110,063	4728
58	3	5	104,781	5214
27	3	5	104,781	5214
Richard D. Reed	3	6	104,385	4045
Peggy	3	6	104,385	4045
Harry W. Wareham	3	5	128,486	4672
97	3	6	127,112	5133
15	3	5	102,987	3800
49	3	4	100,013	4189
37	3	5	89,733	4145
32	3	5	89,733	4145
Ray Mowry	3	9	131,225	5477
Ruth	3	8	109,353	4102
Leader	3	8	109,353	4102
Clarence & Ken Mowry	3	6	183,881	6934
Cheribe	3	5	146,079	5306
Margie	3	6	145,512	5509
Idle	3	7	139,151	4844
Tina	3	6	134,442	4952
Nan	3	5	122,869	5216
Popsicl	3	3	111,795	3887
Lynette	3	6	108,100	3566
Gale	3	5	102,038	3564
Slaxion	3	4	101,022	3767
Bernice	3	6	95,666	4034
Helen	3	6	95,666	4034
Jack E. Colledge	3	7	123,469	4190
Beuty 60	3	9	109,295	3954
Pearl 22	3	7	105,653	4229
Lilly 70	3	6	101,469	3793
Pride 93	3	6	101,469	3793
Ned McDonald	2	7	100,264	3626
Tiny	3	8	130,825	5384
Albert C. Fulmor	3	6	119,536	3779
2	3	6	119,536	3779
66	3	7	117,072	4324
13	3	7	117,072	4324

Lancaster Farming, Saturday, November 14, 1981—D15

11	3	7	115,324	3858
21	3	6	104,749	3464
29	3	5	102,235	3561
Anna & Henry Hall	3	8	116,976	4210
Dove	3	7	113,388	4191
Bobbie	3	7	113,388	4191
Blair Brooke	3	7	135,998	4565
Amy	3	6	117,817	3811
Satin	3	5	106,941	2986
Vada	3	6	104,791	3820
Maple	3	6	104,791	3820
Harry Brubaker	3	7	107,230	4020
2	3	7	104,172	3720
26	3	7	104,172	3720
Bob & Cindy Scott	3	7	106,073	3901
Patches	3	7	106,073	3901
James R. Falvey	3	9	146,263	5324
Fayne	3	9	116,259	4328
Spot	3	9	116,259	4328
Larry & Shirley Imler	3	7	102,670	4310
Ace	3	7	96,054	4061
Kitty	3	7	93,231	4360
Audi	3	7	93,231	4360
Three Spring Run Farm	3	9	119,486	4559
191	3	9	119,486	4559
Paul Den	3	8	169,168	6596
Future	3	6	115,269	5078
Constant	3	5	110,407	4172
Top	3	5	105,875	4745
Charm	3	6	104,971	4227
Iola	3	6	104,971	4227
George Garman & Sons	3	8	137,145	5832
Sally	3	5	102,912	3772
Susan	3	5	102,912	3772
Shafter Farms	3	10	179,652	6980
Linda	3	8	134,599	5176
Janice	3	8	125,960	5626
Pearl	3	6	124,179	4742
Leann	3	6	103,803	3643
Inez	3	7	98,590	4238
Lola	3	6	90,246	4417
Bee Bee	3	6	90,246	4417
Anthony Wertz	3	7	119,015	4306
Virginia	3	7	103,880	4132
Sally	3	7	98,984	4077
BJ	3	7	98,984	4077
David Moyer	3	7	104,869	3684
50	3	5	100,669	3584
104	3	5	100,669	3584
Edward A. Deputy	3	6	118,657	4038
104	3	6	105,480	3102
83	3	5	103,380	3500
48	3	5	103,380	3500
Dale A. Baker	3	5	100,324	3934
Star	3	5	103,172	3679
Robert Harclerode	3	5	103,172	3679
Lee	3	5	103,172	3679
Daniel Smith	3	6	139,062	4890
112	3	6	139,062	4890
Bernard Snider	3	6	92,142	4197
Poppy	2	8	110,492	5258
Blue	2	6	104,048	4518
Lassie	2	6	91,096	4520
Daisy	2	6	91,096	4520

(Turn to Page D16)



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Bedford Co. DHIA

(Continued from Page D15)

Beauty	2	7	87,000	4349
Dot	2	6	79,242	4017
Robert Swartzwelder				
Shirley	3	8	152,267	5922
Paul H. Rissler				
55	3	6	121,425	4455
Snake Spring Farm				
H 8	3	10	187,192	7387
H 27	3	7	159,443	5601
H 38	3	5	130,206	5395
H 1	3	7	126,964	4658
32	3	9	126,854	4513
H 25	3	7	125,706	4683
152	3	8	102,976	4825
205	3	6	100,084	3408
H 34	3	5	90,326	4212
Paul I. Detwiler				
194	3	6	126,096	5007
155	2	7	117,382	5596
218	3	5	99,531	4171
211	3	5	99,301	4083
Derry L. Over				
Pam	3	8	118,941	4259
Paul Fisher				
68	3	7	100,745	3773
Ray & Margaret Amick				
Thelma	3	6	123,237	5266
Vergie	3	9	99,291	4466
Nancy	3	6	95,065	4003
Donald Bowser				
117	3	10	145,760	5511
137	3	8	143,242	4787
154	3	7	122,703	5099
155	3	8	102,785	4005
James Eshelman				
115	3	6	121,398	4746
Jon & Herman Clouse				
59	3	9	112,024	3710
160	3	8	102,806	3700
Robert H. Beach				
Burke	3	10	175,624	6593
Marge	3	9	141,564	5189

Ann 3 9 104,035 6206
 L30 3 7 113,995 3939
 Kim Karns
 Magic 3 7 102,254 3855
 Harold D. Barkman
 Patsy 3 9 121,540 4300
 Imp 3 8 103,475 4068
 J. Allen Baker
 Jill 3 8 132,909 5196
 But 3 9 123,229 5074
 Flight 3 6 119,608 4789
 Elwood & Rich Smith
 Pride 3 8 131,434 5399
 Ray Snyder
 Hyena 3 8 121,318 5063
 Alice 3 8 103,986 4189
 Ralph E. Ritchey
 Linda 3 7 123,389 4366
 Teena 3 7 101,588 3424
 Robert Smith & Son
 Merle 2 8 117,983 5493
 Russell Wyles
 Pearl 3 10 156,713 6564
 Audrey 3 7 113,139 3635
 Bridget 3 7 105,591 4367
 Luthern & Phil Steele
 Betts 3 7 113,797 4543
 Lilly 3 6 109,662 4047
 Bryon Over
 Tracy 3 7 143,166 5451
 Fashion 3 7 129,426 4701
 Dewdrop 3 6 108,410 3907

Ralaine Jerseys
 Giusti 4 8 77,349 4188
 Fred S. Steele
 Peanuts 3 8 120,341 4519
 Doreen 3 6 107,773 4325
 Bernard Hersberger
 22 3 12 154,771 5927
 104 3 8 133,195 4825
 33 3 11 124,162 4931
 50 3 9 116,989 4558
 31 3 8 115,415 4016
 90 3 7 104,196 3333
 Obie Snider
 Maybell 3 8 156,583 5660
 Polly 3 9 132,825 4942
 Vivian 3 7 116,920 4253
 Stacy 3 4 98,403 4480
 Snyder E. Henry
 Anita 3 8 134,070 4760
 Denise 3 7 96,097 4109
 Harold K. Corle
 Cathy 3 10 141,578 5138
 Blossom 3 10 131,583 5707
 R. Clair & Alan Koontz
 Tiny 3 10 158,275 5626
 Millie 3 10 153,655 5472
 Iva 3 11 149,144 5056
 Dolly 3 8 105,807 4049
 Henry & Ron Ritchey
 Sandy 3 10 147,070 5766
 Lucy 3 9 146,378 6237

(Turn to Page D17)

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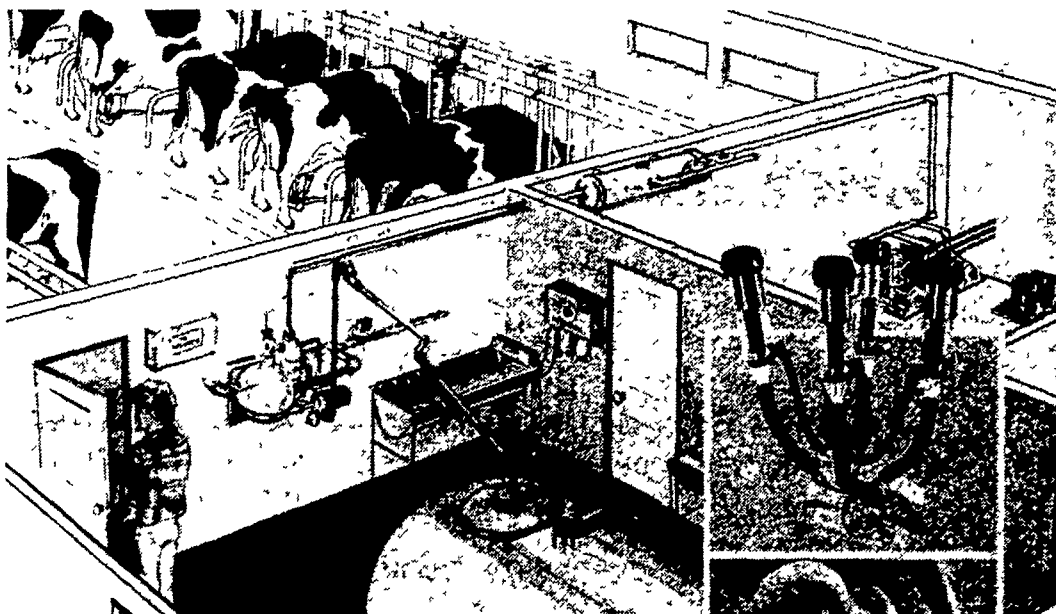
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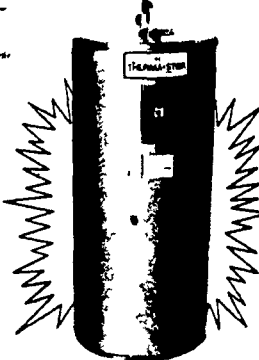
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Bedford Co. DHIA

(Continued from Page D16)

Valentin	3	9	125,653	5052
Dee Jay	3	10	125,507	4824
Up	3	8	109,479	4336
Sadie	3	7	109,361	4083
D. Elwood Ritchey Son				
Kandy	3	10	166,512	6451
Datesway Farms				
34	3	9	124,266	4614
37	3	7	112,727	4099
60	3	6	102,642	3952
Donald E. Replogle				
Rea	3	10	110,753	3954
Jerry L. Hershberger				
22	3	7	158,846	5547
65	3	7	133,084	5824
5	3	6	113,854	4259
71	3	5	102,775	4537
12	3	6	99,697	4042
69	3	7	99,312	4323
Marlin Deterline				
11	3	7	95,243	4134
Richard D. Reed				
Batty	3	7	112,682	4402
Harry W. Wareham				
35	3	4	104,551	3560

Hay Mowry				
Elsie	3	7	125,368	4747
Clarence & Ken Mowry				
Belle	3	6	142,052	5469
Mablene	3	7	139,081	5299
Maggie	3	7	136,852	5418
Amanda	3	3	129,485	5022
Debra	3	5	127,248	5358
Bethann	3	7	126,933	5856
Brenda	3	6	118,002	4368
Raymond Hinsh, Jr				
Pauline	3	8	109,532	4245
Susan	3	7	107,600	4668
Jack E. Colledge-				
Brenda	3	12	132,130	4665
Darin 48	3	8	107,268	3853
Angie 53	3	8	106,824	3596
Wanda 64	3	6	92,058	4085
Albert C. Fulmor				
12	3	6	103,913	4004
Jay & Jackie Claycomb				
Rose	3	8	112,680	4391
Blackie	3	9	105,507	3908
Anna & Henry Hall				
Fide	3	7	140,404	5329
Blair Brooke				
Tess	3	7	102,880	3687
Harry Brubaker				
15	3	10	149,990	5878
24	3	9	110,541	4124
Bob & Cindy Scott				
Sharon	3	9	118,273	4735

Lancaster Farming, Saturday, November 14, 1981-D17

Claire	3	8	101,800	3779
James R. Halvey				
Star	3	8	128,175	4646
Royal	3	9	125,306	4549
Larry & Shirley Imler				
Ginger	3	8	124,072	4858
Three Spring Run Farm				
523	3	7	109,333	4045
241	3	8	108,815	3896
85	3	7	102,248	4019
82	3	7	105,710	3596
221	3	7	90,299	4179
Paul Den				
Theresa	3	7	143,183	6663
Crest	3	8	141,740	5217
Fritz	3	7	122,965	4930
Count	3	6	106,375	4399
Iona	3	7	99,621	4212
True	3	5	97,232	4334
Sunny Four Farm Inc				
Stinky	3	7	143,387	4336
Dana	3	6	109,071	3628
Tinker	3	6	107,359	3744
George Garman & Sons				
Margaret	3	8	113,926	4559
Dick & Eleanor Rice				
6	3	8	106,647	4090

(Turn to Page D16)

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Eligible Model	Cash Rebate
1190, 1290, 1390, 1490, 1690	\$1000
2090, 2290	\$2000
2390, 2590	\$3000
4490, 4690, 4890	\$4000

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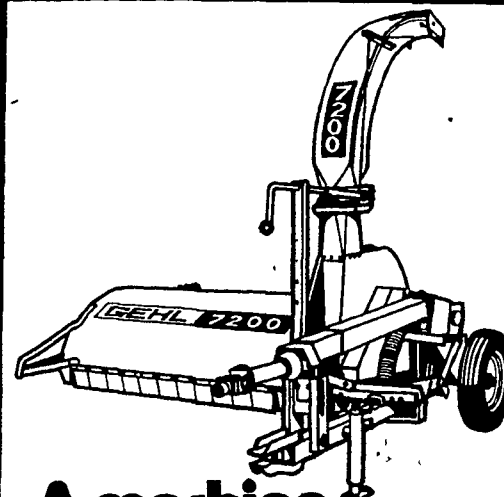
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Bedford Co. DHIA

(Continued from Page D17)

Shaffer Farms				
Goldie	3	10	140,136	5360
Caulene	3	6	103,250	5348
Pimple	3	5	102,574	4284
Joy	3	6	102,216	4563
Anthony Wertz				
Ray	3	7	105,446	4025
Cindy	3	6	103,483	3858
Springton Manor Farm				
11	3	7	123,938	4773
103	3	9	109,745	4664
3	3	8	112,210	4548
Edward A Deputy				
31	3	6	115,236	3840
60	3	7	102,184	3195
102	3	7	101,026	2820
Allen Claar				
30	3	5	103,448	3959
Dale A Baker				
14	3	6	111,278	4442
20	3	5	83,996	4383
Daniel Smith				
11	3	6	128,579	4406
Bernard Snider				
Gloria	2	7	101,713	5093

James L. Steele	3	6	117,707	4559
Jackie				
James & Laurie Stanton	3	6	104,921	3838
Maija	3	6	103,846	3890
Paulett	3	6		
Snake Spring Farm				
H 5	3	9	175,880	7239
H 55	3	8	173,814	6212
H 13	3	9	156,111	5114
183	3	9	151,187	5698
266	3	10	145,052	6224
201	3	7	118,079	4459
H 21	3	8	116,925	4349
H 45	3	7	116,389	4477
H 12	3	6	115,894	4624
273	3	8	111,819	5030
H 9	3	6	111,170	4820
H 51	3	6	109,646	3966
132	3	8	105,738	4017
Paul I Detwiler				
221	3	5	97,420	4104
Derry L Over				
Diane	3	5	137,520	4555
Bea	3	7	115,109	3923
Sandy	3	7	108,243	4264
Daisy	3	8	97,795	4308
Paul Fisher				
67	3	8	131,095	4479

CCC interest rates to stay at 14.5 percent

WASHINGTON, D.C. — Interest rates for 1981-crop loans and storage facility and dryer loans made through the U.S. Department of Agriculture's Commodity Credit Corporation will remain at 14.5 percent through Jan. 31, according to Secretary of Agriculture John R. Block.

Block said the 14.5 percent rate has been in effect since April 1, when USDA announced it was instituting a "floating" interest rate, subject to adjustment on the 1981-crop and facility loans.

The variable interest rate on outstanding loans—which enables CCC to adjust rates in line with borrowing costs to the U.S. Treasury—will continue in effect, Block said.

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- **SX-600** - Fast Dry Down Corn, Excellent Sheller, Excellent Standability, 107 Days
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- **SX-520A** - First Year In Trials, Placed Third, Class 2, 105 Days

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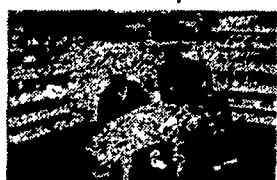
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Eden Lancaster County

—Photo by Dick Anglestein

This is another in a series of scenic photos of Pennsylvania farmland, as it appears today. And hopefully, as it will continue to appear tomorrow and beyond.



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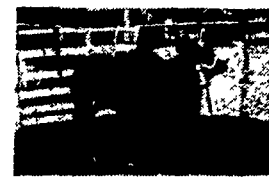
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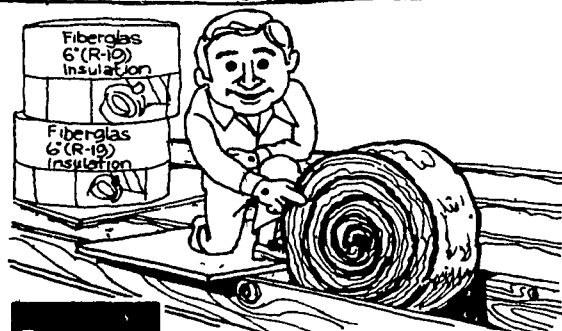
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9'	9.42	—	—	7.12	10.47
10'	10.47	13.05	15.02	7.91	11.64
11'	11.51	—	—	—	12.80
12'	12.56	15.66	18.02	9.49	13.96
14'	14.66	18.27	21.02	11.07	16.29
16'	16.80	20.88	24.03	—	18.56
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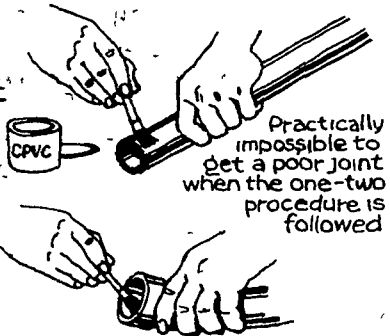
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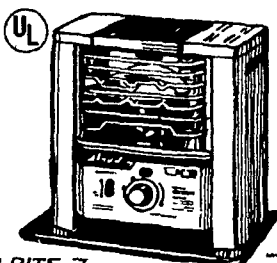
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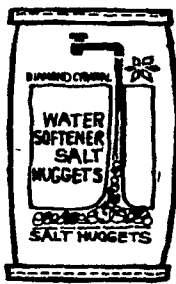
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- Automatic igniter.
- Automatic shut off.

\$129⁹⁵



TEMP RITE 7

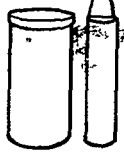
diamond crystal WATER SOFTENER SALT



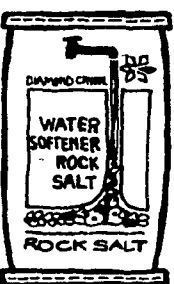
\$3⁹⁵
50 lb. BAG



SALT NUGGETS

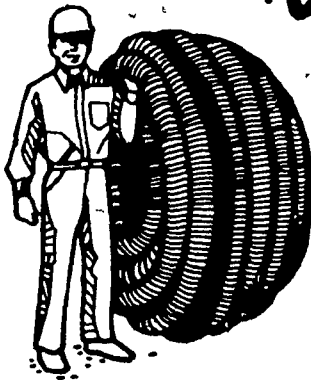


SALT NUGGETS



\$4⁹⁹
80 Lb. BAG

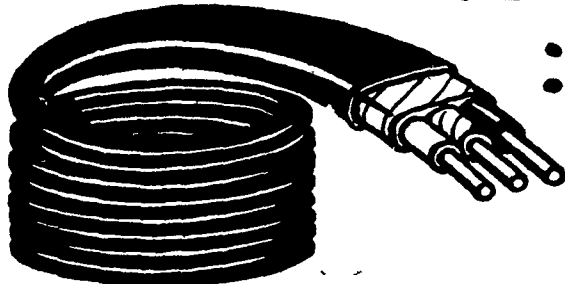
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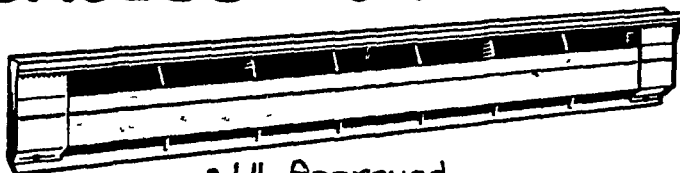


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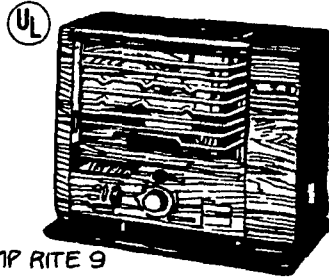
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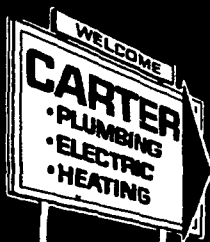
- 9600 B.T.U.
- Automatic igniter.
- Automatic shut off.

\$149⁹⁵



TEMP RITE 9

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Bradford Holstein club holds annual meeting

BY JANE BRESEE
Staff Correspondent

EAST TROY — George Page, Jr., Robert Whipple and Leigh Sturdevant were reelected for a three-year term as directors of the Bradford County Holstein Club at the annual dinner meeting held November 4, at the East Troy Baptist Church. Eighty were in attendance.

Richard Kingsley, president, conducted the business meeting and introduced Orville Yoder, County Extension agent, who congratulated member William Brown for having the highest black and white Holstein herd average in the state with 29 cows, 23,437 pounds of milk, and 903 pounds of fat. A red and white Holstein herd from Bradford County owned by Bill and Ginny Davis also placed

highest in the state for that breed with 66 cows, 17,101 pounds of milk, and 639 pounds of fat.

Yoder also announced that the Landa Hulslander Memorial will be a new 4-H building located on the Troy Fair Grounds. Donations may be sent to Lavetta Comstock, at the Bradford County Extension office in Towanda.

Jean Sheeley, Bradford County Dairy Princess, was recognized. She told about the REAL seal promoted by the American Dairy Association to be stamped on dairy products so the consumer can tell the imitation from the real thing. She praised her alternates, Laurie Hollenback, and Carol Berger for helping her during a busy year of appearances and parades.

Douglas Hershey, State Holstein Association fieldman, spoke

briefly asking for consignments to be sold at the Ag Arena Sale, December 11. He announced that the state convention will be February 25, 26, 27, and the state calf and heifer sale will be March 31.

Hershey also encouraged that memberships be paid early for rebate from the State Association.

Kingsley introduced his brother-in-law, Austin Noble, from Auburn, New York, who narrated a slide picture show about big game hunting in the Yukon. Prize trophies taken were moose, caribou, white ram, and elk.

Membership in the Bradford County Holstein Club is currently 317. Other directors are John Macafee, James Howard, William Brown, Ben Jackson, Lynn Miller, and Richard Kingsley.



George Page, Jr., left, Robert Whipple, center, and Leigh Sturdevant, were reelected directors of the Bradford County Holstein Club at last Wednesday's meeting.

Double-standard drug use not tolerated, testifies NPPC

DES MOINES, Ia. — "The double standard of food safety permitted by the current regulations governing the importation of meats should not be tolerated by U.S. livestock producers," stated John Saunders, president of the National Pork Producers Council. A precedent setting position was taken by the Council in backing legislation requiring uniform safety requirements for all meats, foreign and domestic.

"We believe the same standard of safety should apply to the consumer's entire food supply, whether it is produced domestically or in a foreign country," said Saunders following a meeting of the Council's Executive Committee.

Members of the committee expressed their support for the Farm Bill amendment proposed by Congressman Glenn English, (D-OK), or a compromise between the

English amendment and a similar, but more restrictive amendment, proposed by Senator John Melcher, (D-MT).

The English amendment would prohibit the importation of meat from livestock produced with the use of drugs or chemical substances prohibited from use in this country. The amendment also provides for a one year phase-in of the order, and allows the President to notify Congress he will set aside the restrictions if he determines it will cause serious damage to the exportation of U.S. agricultural products.

Melcher's amendment would prohibit the importation of meat from livestock produced with any drugs and chemicals other than those approved for use in this country.

Saunders emphasized that consumer safety was the Council's primary objective. "If a drug or chemical is recognized by the U.S.

government as being unsafe and is prohibited from entering the food supply, then consumers are entitled to the same protection from unsafe substances currently entering the food supply from imported meats.

"As long as the ban exists for U.S. producers, all other meat

suppliers should also be forced to comply," added Saunders.

As a part of the discussion currently taking place on the Farm Bill, these two amendments are in Conference Committee where compromise wording, acceptable to the House and senate, is being developed.

NPPC will ask its producer members to urge their Congressmen serving on these Conference Committees to support the English amendment, or its compromise wording, and eliminate the double standard of drug use in foreign and domestic meat production.

Wean foals properly

NEWARK, Del. — Weaning is the process of separating the foal from its mare when it is mature enough to thrive on a normal diet.

Customarily, foals are weaned at about five to six months of age, says Delaware Extension equine specialist C.M. Reinour. If a foal is in any way weak or ill, it should not be weaned until it has completely recovered. The act of weaning almost always places a stress on the foal's system, causing

a set-back in growth.

There are two generally accepted methods of weaning. In the first, the foal is kept in a stall on its own for a day or two after the mare has been removed to a far-off section of the farm. After the foal has become accustomed to the separation from its dam, it is put in another pasture with other foals that have been weaned.

The second method of weaning is carried out in the pasture. One by

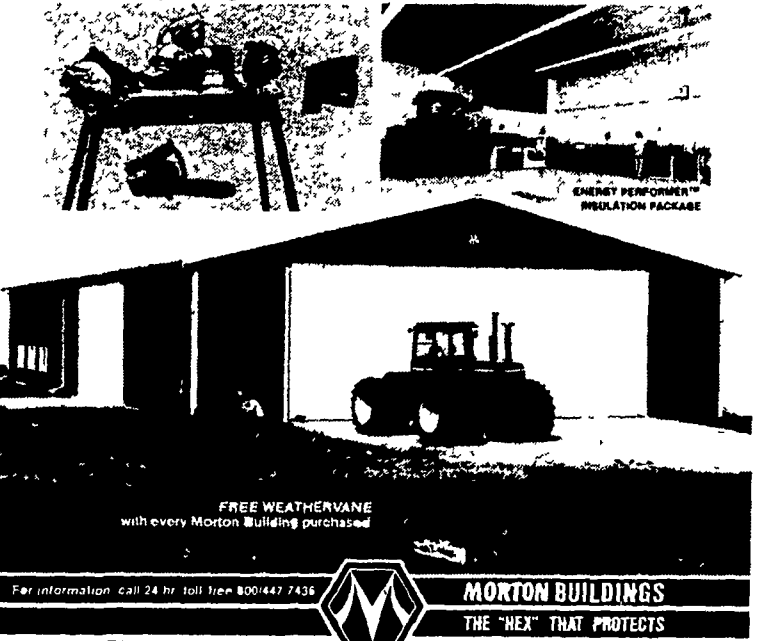
one, each mare is removed from a large herd of mares. This process has been very successful in large operations, and in most cases appears to cause the least disturbance to the foal.

Be observant of the foal after weaning. Be sure it receives a quality diet of grain and hay; keep a keen eye out for possible sickness or diseases; and provide adequate facilities for exercise.

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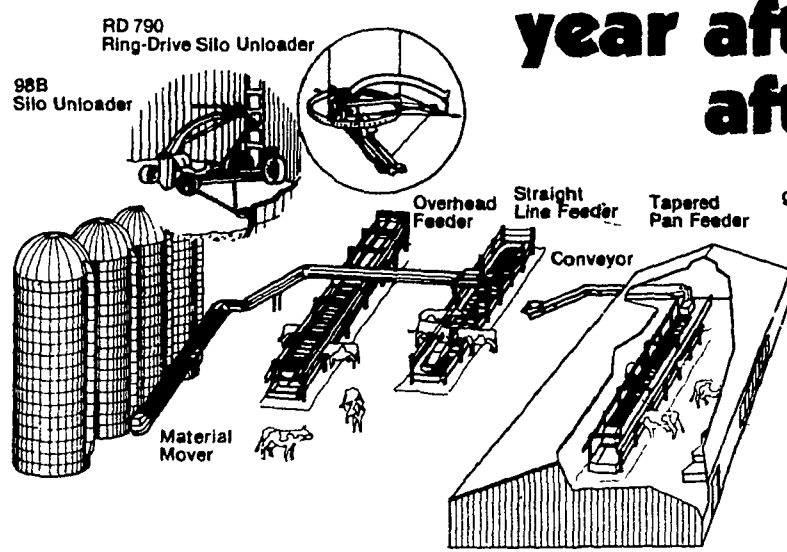


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Cumberland Co. honors producers

Huntsdale Stock Farms records top milk, fat production

BY BETH HEMMINGER
Staff Correspondent
CARLISLE — M. Thomas and
Cindy Sheaffer, Huntsdale Stock
Farms, milked to the top of the

production lists in Cumberland
County. They, along with other
outstanding dairy producers and
their herds were honored at the
Annual Cumberland County Dairy

Herd Improvement Association
Banquet held last week.

M. Thomas Sheaffer was
honored for his high herd average
in milk and fat production. His
herd average in milk was 19,353
pounds with 698 pounds in but-
terfat. Huntsdale Stock Farm
Crystall rose to the top of the herd
for the Sheaffer family with the
highest two-year-old milk record of
22,390 pounds.

A favorite cow on the Brymnesser
Farm provided J.B. Brymnesser
and Sons with the highest cow in
the county for milk production,
milking 27,633 pounds this year.

J. Paul Strock's two year old,
Token, gained her claim-to-fame
with an outstanding butterfat
record of 731 lbs.

Rodney Rice of Sandrod Farms
was honored for his outstanding
accomplishment of the "Greatest
Increase in Production" in
Cumberland County.

The Association also
acknowledged five top herds in
butterfat and milk for 1980-81. The
five top dairymen and their herds
were M. Thomas Sheaffer, Fer-
man L. Landis, Sundays Vallilea
Farms, Paul Strock and Nevin
Shughart, respectively.

Harold Boldessor, Cumberland
County DHIA Manager,
highlighted the county records for
1980-81. He reported that the
county average in pounds of milk
was 15,342 with 565 pounds of
butterfat. Boldessor added that 23
of the 102 full year herds milked an
average of 14,000 pounds and 28 of
those full year herds had an

average of 500-549 pounds of
butterfat for the year.

"Without the Cumberland
County supervisors," said
Boldessor, "there wouldn't be a
DHIA program." The manager

acknowledged his supervisors,
Paul Wynn, Jay Zeigler and John
Rolar for a job well-done
throughout the year.

Addressing the dairy producers,
(Turn to Page D24)



Keynote speaker at the annual Cumberland County Dairy Herd Improvement Association Banquet was Donald Ace, section coordinator for Dairy Science Extension at Penn State.



Honored for his high herd in milk and fat production was M. Thomas Sheaffer, Huntsdale Stock Farms. For 1980-81 his herd average was 19,353 pounds of milk with 698 pounds of butterfat. Sheaffer also was awarded a plaque for the county's highest two-year-old in milk, milking 22,390 lbs.

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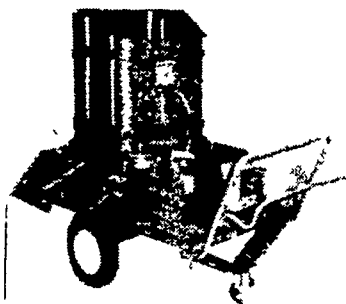
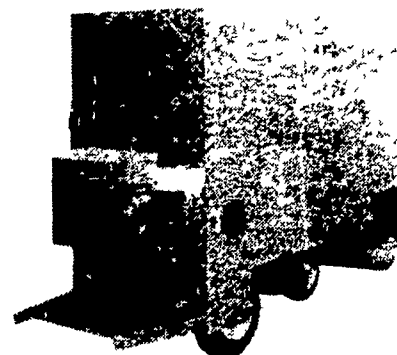
The NEW Hydra-static speed control gives you a choice of speeds from slow to fast. With a touch of the pedal the wagon moves forward or backward; release the pedal and it automatically brakes. You also have a regular feed discharge or a 40-inch high discharge from one or two sides. The WIC Silage Wagon is operated by gas or electric and available in 30-, 45- or 52-bushel sizes. With the 16-inch wheels it goes wherever you want to take it.

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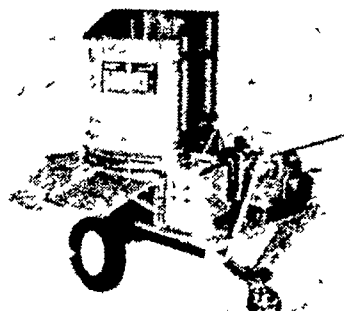
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For Performance And Cost



ELECTRIC BEDDING CHOPPER

Wic also makes an electric 200 volt a.c. chopper or a 24 volt d.c. battery operated chopper including an automatic charger. These two models are equipped in the factory with a manual starter panel and are protected by fuses to diminish risk of accidents.

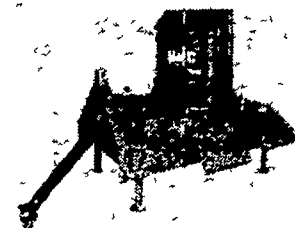
Very quiet these bedding choppers are mostly used on small or medium sized farm. As well as being mobile the 220 volt a.c. model can be installed stationary. Motor 220 volt a.c. 3 h.p. 24 volt d.c. 2 1/2 h.p.



GAS BEDDING CHOPPER

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Huntsdale Farms

(Continued from Page D23)

Donald Ace, section coordinator for Dairy Science Extension said, "DHIA has come a long way baby!"

"Like the famous advertisement of the Virginia Slims Lady covered from head to toe in apparel and now years later she is suave and sophisticated," said Ace, "the DHIA program has taken the same turn. At one time the supervisors were covered up to their heads in paperwork, now years later the system is efficient and mechanized because of supervisors, managers and dairymen who believed in the program."

The DHIA program is 76-years-old. It began in 1905 in the state of Michigan. Ace noted that, in 1910, the program finally arrived in Chester County, Pennsylvania. Twenty herds started the program there, and the farmers named their association, the Pennsylvania Brandywine Testing Association.

Soon after, in 1914, the Extension Service at Penn State joined forces with the association across the state to provide a needed educational program for the dairy farmer. Ace remarked, "The Extension Service has been

providing educational and informative programs about DHIA ever since."

Over the years, the program pushed ahead, said the coordinator, and a central processing system was introduced in Pennsylvania in 1957.

Ace said, "Looking back at those beginning years, one can see that the strong roots of the Pennsylvania program lies at the county level, as it still does today." He added that Pennsylvania has remained with this system since the program's birth, and it has worked well. "However, the different county rules across the state can cause problems for this multi-million dollar business," he warned.

Ace said he feels that the DHIA members and program must push ahead and begin thinking of state organization. "But, before any organizing can be accomplished, each county organization must ask its members How far do you want to go in structural organization? The coordinator sees the development of a state organization as a "beautiful system" with greater uniformity and benefits for all in the program.

Ace also dreams of a State DHIA Directors Conference being born. "This would be a learning, sharing and enriching conference for all directors and the county programs would reap the benefits."

The coordinator also foresees the use of computers on the farm. "The computers will be used selectively among farmers, especially farmers who milk a hundred or more cows. It can be monetarily beneficial to his milk production, breeding records, costs and feeding program," he said.

The milk market is taking a new swing for the future, too, said Ace. Cheese, dry milk and butter offer a new market for Pennsylvania dairymen that is growing by leaps and bounds in the state, creating added use for DHIA protein testing. Recently, remarked Ace, over 2,000 dairy cattle have been



Cumberland County's highest cow in milk production is owned by J.B. Brymsser & Sons. The cow milked 27,633 pounds during 1980-81.

added to the protein testing lists of DHIA, so they too can supply the new markets.

"The dairy industry is in its golden years. Records and production have never looked

better," said Ace. "The future looks bright for the program, with new programs, new developments. DHIA is a program that helps the dairymen help himself."

Field day features woodland mgm't

HARRISBURG — The Bureau of Forestry in cooperation with the Dauphin County Agricultural Service Center will sponsor a Woodland Field Day on Saturday, November 21 from 1 p.m. to 4 p.m. on the Harlan Reinhold Farm north of Halifax. In case of rain the program will be held at the Halifax High School.

The five part program will ad-

dress harvesting methods, timber sales, consulting foresters and individual gypsy moth control.

For fuelwood cutters, a chain saw safety and tree felling demonstration will be part of a "trees for fuelwood" session.

The sponsors suggest you dress for an afternoon in the woods. For additional information call the Ag Service Center at 717-652-8460



Lehman-View Anty Jack produced 1040 pounds of butterfat for Donald & Dave Lehman and was awarded the highest cow in butterfat in Cumberland County for 1980-81.

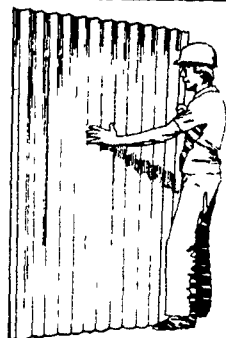
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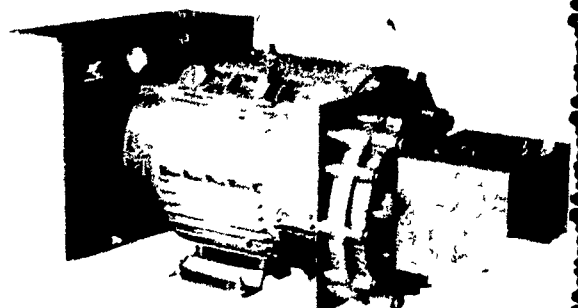
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USDA amends wheat import regs

WASHINGTON, D.C. — On Nov. 30, the U.S. Department of Agriculture will amend wheat import regulations to prevent the introduction of foreign strains of flag smut—a destructive wheat disease—into the United States.

According to Frank Cooper, regulatory staff officer for USDA's

Animal and Plant Health Inspection Service, the amendment will prohibit the entry of certain classes of seeds and plant products from 34 countries except for experimental or scientific purposes.

Cooper said these restrictions are necessary because there currently is no known milling or

processing procedure which will completely destroy all flag smut spores to eliminate any chance of infection. He said foreign strains of flag smut could cause a substantial reduction in the yield of wheat if introduced into the U.S.

The countries involved are: Afghanistan, Algeria, Australia,

Lancaster Farming, Saturday, November 14, 1981—D25

Bangladesh, Bulgaria, Chile, People's Republic of China, Cyprus, Egypt, Falkland Islands, Greece, Guatemala, Hungary, India, Iran, Iraq, Israel, Italy, Japan, Korea, Libya, Morocco, Nepal, Oman, Pakistan, Portugal, Romania, Spain, Tanzania, Tunisia, Turkey, Republic of South Africa, Union of Soviet Socialist Republics and Venezuela.

Cooper said prohibited articles include most wheat byproducts such as straw, hulls, chaff, grain

and bran. This, however, does not include wheat products used for manufactured, decorative or toy products since they do not present a risk of disease spread to wheat crops, he said.

The amendment is scheduled to be published in the Oct. 29 Federal Register. For further information, contact: Frank Cooper, Staff Officer, Regulatory Support Staff, Plant Protection and Quarantine, Animal and Plant Health Inspection Service, U.S. Department of Agriculture.

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1,000	4'0"	10'8"	10	827	310.00
1,000	4'0"	10'8"	7	1,129	351.00
1,000	5'4"	6'0"	7	1,028	326.00
1,500	5'4"	9'0"	7	1,388	438.00
2,000	5'4"	12'0"	7	1,735	534.00
3,000	5'4"	17'11"	7	2,432	720.00
4,000	5'4"	23'10"	7	3,130	908.00
5,000	8'0"	13'7"	1/4"	4,484	1645.00
6,000	8'0"	16'2"	1/4"	5,123	1800.00
8,000	8'0"	21'6"	1/4"	6,475	2230.00
10,000	8'0"	26'10"	1/4"	7,825	2660.00
10,000	10'0"	17'0"	1/4"	6,956	2405.00
12,000	10'0"	20'6"	1/4"	8,074	2800.00
12,000	10'6"	18'7"	1/4"	7,900	2690.00
15,000	10'6"	23'2"	5/16"	11,857	4130.00
20,000	10'6"	31'0"	5/16"	15,105	5160.00
25,000	10'6"	38'7"	3/8"	22,115	8135.00
30,000	10'6"	46'4"	3/8"	25,999	9430.00

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2,000	5'4"	12'0"	7	1,735	100 to 200
3,000	5'4"	17'11"	7	2,432	150 to 300
4,000	5'4"	23'10"	7	3,130	250 to 500

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3,000	5'4"	17'11"	7	2,312	300.00
4,000	5'4"	23'10"	7	3,010	400.00

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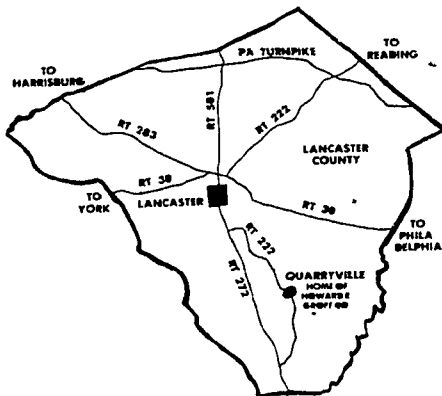
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Nat'l grange Master critiques Reagan Administration

SPOKANE, Wash. — During his annual Master's address here Monday before delegates and officers of the National Grange, Edward Andersen, said he hopes the "buy now and pay later with cheaper dollars" philosophy will go by the wayside under the Reagan administration.

Andersen said there is a new environment in the nation's capital and praised the President's efforts in leading the country toward a goal of fiscal responsibility. Recognizing that inflation is the country's number one problem, he said agriculture producers are particularly vulnerable because they are unable to pass on increased production costs to the price of the commodities they produce.

This year farmers had abundant harvests in almost all major crops yet suffered a drop in most farm commodity prices. Andersen feels politics was largely responsible for the decrease in net farm income. He said political decisions such as the Russian grain embargo, low support levels in the 1981 Farm

Act, non-action on high interest rates, refusal to allow CCC butter sales to certain foreign countries and an untimely tax cut have a drastic effect on farm commodity prices and production costs.

Andersen disagreed with the timing of President Reagan's tax cut package which went into effect Oct. 1. He wanted the budget balanced before a tax cut was adopted. He said the tax cut is partly responsible for continuing high interest rates which are devastating to agriculture producers and most businesses. The availability of credit at a reasonable rate is essential to growth and expansion. Andersen said credit used for production and expansion is not the type of credit that causes inflation.

The national farm leader stressed the need for increased agricultural exports citing the PL 480 and Foreign Agriculture Service programs as being successful in helping develop foreign markets. Andersen also strongly encouraged financial support for agriculture research to insure

Americans a continued adequate supply of high quality food at reasonable prices.

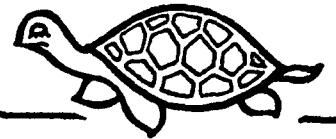
He criticized the Administration's dairy price support program of once a year price adjustment and allowing parity to fall below 70 percent, with a minimum of \$13.10 per cwt of milk containing 3.67 percent butterfat under certain conditions. He said these are drastic measures which will create severe economic hardships for dairy producers and cause many of them to cease production resulting in higher consumer prices in the future.

Andersen said as the world demand for food increases and new land is brought into production, a high percentage of this land will require an increased amount of intensified land treatment to conserve the soil and water. He said retaining top soil is an ab-

solute necessity if U.S. farmers are to maintain and increase their levels of productivity. He said every American should have an interest in the conservation of soil and water and be expected to help pay for responsible programs through their federal, state and local governments.

Grain elevator bankruptcies have been hurting grain producers for many years. Andersen said all states should review their regulations for licensing of warehousing particularly in the areas of more frequent and independent C.P.A. audits and stronger financial statement requirements.

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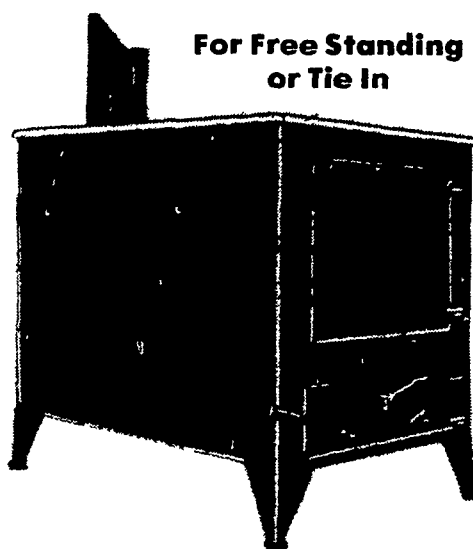
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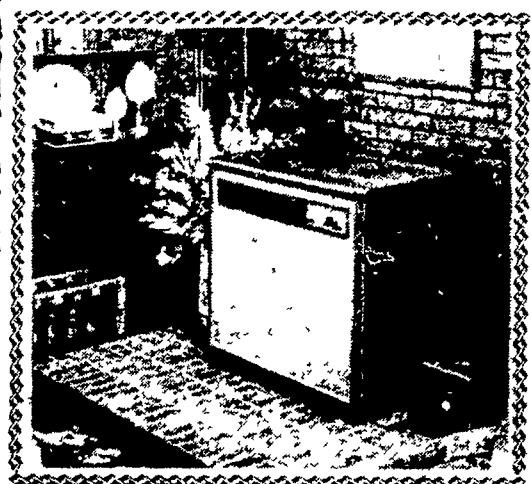
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Chester and Delaware Counties feature farm-city day

COATESVILLE — Farm-City Day, sponsored by the Chester-Delaware County Farmers' Association, will be held Saturday and Sunday, November 21 and 22.

This is an annual event which gives youngsters and their parents an opportunity to see a variety of farms, farm animals and farm activities.

"Families can visit with farm families who run the farms. Farmers will be on hand to welcome visitors and explain their farm operations", Mary Hawthorne, association director explained.

Included in the tour, which

covers Chester and Delaware Counties, are dairy farms, poultry farms, orchards, horse farms, mushroom farms and livestock farms.

The Myrick Conservation farm is also included in the schedule. Families may also visit a fertilizer plant and farm retail stores.

"Several elementary teachers in the Counties," Hawthorne said, "are using the farm visits as a part of their classroom work. Children will use their experience and observations as the basis for history, English, economics and other related studies."

Pamphlets listing the farms and their locations are available at

Pennsylvania Certified Retail Farm Markets in the two counties, The Chester County Tourist Bureau in West Chester, the Chester County Library system and from Mary and Byron Hawthorne, Box 107, R.D. 7, Coatesville, 19320, 215-383 5491.

The Chester-Delaware Farmers' Association is a general farm organization with 834 farm families. It is affiliated with the Pennsylvania Farmers' Association and the American Farm Bureau.

"Farm-city day provides the opportunity for urban and suburban families to observe firsthand the responsibilities and activities that are shared by both farm and urban people", Hawthorne concluded.

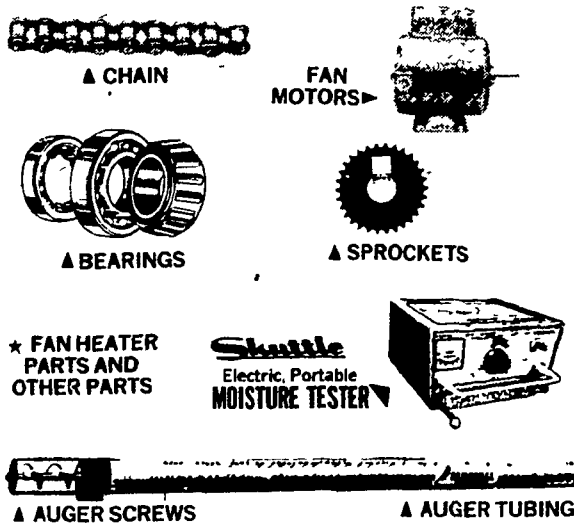
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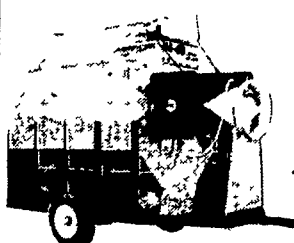
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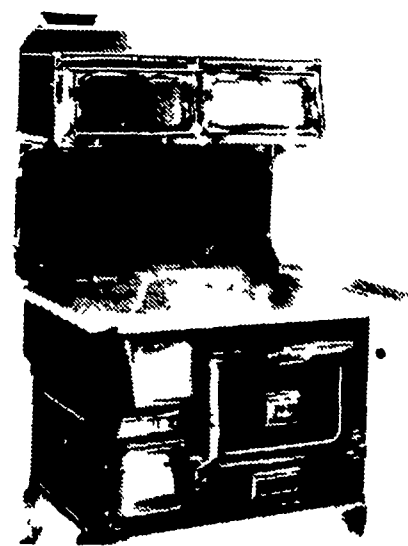
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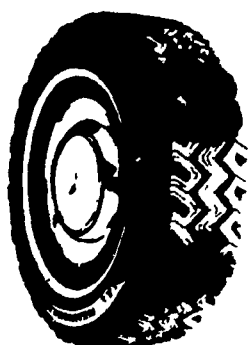
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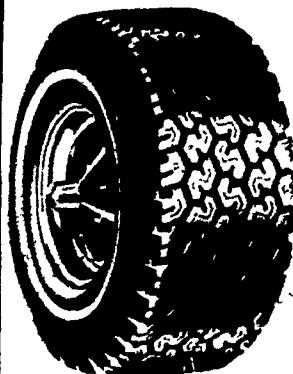
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POLYESTER SNOW TIRES

SIZE	SALE	FET
A78-13.....	'30.50	1.68
B78-13.....	'32.00	1.77
C78-14.....	'32.00	1.77
E78-14.....	'36.00	2.29
F78-14.....	'37.50	2.42
G78-14.....	'39.75	2.57
H78-14.....	'40.25	2.59
G78-15.....	'40.50	2.85
H78-15.....	'42.00	2.71
L78-15.....	'45.00	2.83
L78-15 Belted Snow	'55.00	2.83
600x15.....	'33.00	1.85



**FREE
MOUNTING
AND
BALANCING
ON
TIRES**

RADIAL SNOW TIRES

SIZE	SALE	FET
AR78x13..P155/80-13	'47.00	1.74
CR78x13..P185/80-13	'49.00	1.87
CR78x14..P175/75-14	'50.00	2.13
DR78x14..P185/75-14	'51.50	2.29
ER78x14..P195/75-14	'52.00	2.35
FR78x14..P205/75-14	'53.00	2.54
HR78x14..P225/75-14	'58.50	2.93
FR78x15..P205/75-15	'53.50	2.60
GR78x15..P215/75-15	'58.00	2.78
HR78x15..P225/75-15	'60.00	2.98
LR78x15..P235/75-15	'64.50	3.41
155-15.....	'32.00	1.65
165-15.....	'33.00	1.86



All Season STEEL BELTED RADIAL WHITEWALLS

★ LEGAL ON SNOW-
EMERGENCY
ROUTE FOR MUD &
SNOW TIRES

SIZE	SALE	FET
AR78x13..P155/80-13	'40.50	1.51
BR78x13..P165/80-13	'45.00	1.68
CR78x13..P185/80-13	'49.00	1.95
DR78x14..P185/75-14	'51.00	2.20
ER78x14..P195/75-14	'52.00	2.23
FR78x14..P205/75-14	'53.00	2.34
GR78x14..P215/75-14	'55.50	2.49
FR78x15..P205/75-15	'53.00	2.46
GR78x15..P215/75-15	'55.75	2.62
HR78x15..P225/75-15	'59.95	2.79
LR78x15..P235/75-15	'64.75	2.95



Hours: Mon. and Fri.
7:30 to 9:00
Tues., Wed., Thurs.
7:30 to 5:00;
Closed Saturday



HURST TIRE SERVICE

PHONE (717) 354 4931
1 Mile West of Blue Ball on Rt. 322

Grain reserve provides corn marketing flexibility

WASHINGTON, D.C. — "U.S. corn farmers should examine very closely the marketing flexibility of and marketing options in placing corn in the three-year farmer-held grain reserve," stated Jack Parsons, first vice president of the National Corn Growers Association.

A corn farmer from Wapello, Iowa, active in both the Iowa Corn Growers Association and the National Corn Growers Association, Parsons cited several reasons why U.S. corn farmers should maximize corn marketing options this year by using the corn reserve.

"Based on USDA data, the national average price for corn is currently at \$2.38 per bushel and the national average loan rate is at \$2.40 per bushel," Parsons said in presenting a case for active utilization of the farmer-held grain reserve. "This distressed level of cash corn prices in the 1981/82 season to farmers is a combination of various factors, but continues to reflect the January 1980 decision to embargo corn and agricultural exports to the Soviet Union."

Parsons continued that "notwithstanding the current state of uncertainty about normalizing grain trade with the Soviet Union and little movement toward negotiating another US-USSR grain agreement, the National Corn Growers Association remains hopeful that negotiations for a new Long Term Agreement will proceed in the immediate future that will provide for significant sales and shipment of U.S. corn to the Soviet Union."

Until there is additional clarification from Reagan Administration officials about the level and terms of grain trade with the Soviet Union, Parsons advised that corn prices "could well remain depressed into calendar year 1982." Consequently, the NCGA First Vice President advised corn farmers to consider the following advantages of the corn reserve as a marketing tool and mechanism to obtain liquidity to improve cash-flow management during the low period of corn prices in the 1981/82 season: Reserve loan \$2.55 per bushel; annual storage \$0.26½ per bushel; total benefit \$2.81½ per bushel.

"Although the USDA Commodity Credit Corporation will charge 14½ percent interest on the reserve loan for the first year of the program," Jack Parsons stressed "that during the second and third years of the reserve program the interest rate will be waived for corn farmers."

By placing corn in the three-year reserve that does not have a "ceiling place on the level of participation," the Wapello, Iowa, corn farmer further explained that "farmers would only have to leave corn in the reserve until the national average price hits \$3.15 per bushel for a month before they would be required to either repay the loan for holding ownership to the crop or forfeit the crop to the Commodity Credit Corporation."

While the reserve loan rate varies from county-to-county in the United States, "the immediate cash-flow value of the loan plus storage payments vis-a-vis current

cash corn price level is obvious today. Parsons concluded that the three-year farmer reserve is a program that would be supported by the National Corn Growers Association, and it is a program devised to provide marketing flexibility to corn farmers during such depressed cash price period.

The National Corn Growers Association is made up of corn producers from 16 states, with the purpose of promoting the general welfare of U.S. corn farmers by maintaining and developing domestic corn production and price and income support programs consistent with a market-oriented grain economy. The activities of the organization are conducted through two offices, located in Des Moines, Iowa and in Washington, D.C. State members of the National Corn Growers Association include Colorado, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Minnesota, Missouri, Nebraska, New York, North Carolina, Ohio, Pennsylvania, Virginia and Wisconsin.



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Better transportation is vital to farm exports

COLLEGE PARK, Md. — The nation's transportation system would be a major roadblock for substantially expanding U.S. agricultural production during the

1980s to meet world export demands.

And water-borne transportation is the weakest link in the system, notes Earl H. Brown, professor of

agricultural and resource economics at the University of Maryland. Brown spoke last Wednesday during the annual statewide Agricultural Leaders Forum on the College Park campus.

The former dean of the College of Agriculture at Maryland noted that the U.S. merchant fleet continues to play a small and declining role on the international scene, currently accounting for only three percent of the world merchant fleet's capacity.

Furthermore, the limited capacity of existing lack and dam facilities—particularly on the Mississippi and Illinois rivers—limits the volume of grain and oilseeds which can be transported to export points on relatively low-cost inland waterways.

It is unlikely that capacity of the inland waterways will be increased substantially by 1985, Brown noted.

"Prospects for expanding and

upgrading rail transportation are somewhat brighter. Transportation requirements above those which can be handled by water and rail will have to be met by increasing the capacity of the trucking system."

Brown commented that international trade in agricultural products does not occur in what is commonly thought of as a "free market," where prices are determined primarily by supply and demand.

Domestic food and agricultural policy has a direct effect on the quantity of agricultural products which a nation will produce, consume and either import or export. Most general domestic policies—either fiscal or monetary—also have some effect on agricultural trade.

In fact, various actions and decisions by any major government in the world can have a significant effect on the terms of

U.S. agricultural trade, Dr. Brown declared.

U.S. consumers can be expected to oppose large increases in exports of agricultural products if they believe that significant rises in domestic food prices will result. Conservation leaders may also oppose increased world trade if they believe productive soil is being "exported" due to erosion brought on by over-intensive cropping.

Agribusiness firms, on the other hand, are likely to be in favor of increased exports, as this expands the market for their products, such as fertilizer, seeds, machinery, processing and transportation.

Solving many of the problems associated with increased farm exports, Dr. Brown said, will depend to a large extent on the continuation of effective research and extension programs by the U.S. Department of Agriculture and land-grant institutions such as the University of Maryland.

BANKRUPTCY SALE

U.S. BANKRUPTCY COURT
FOR THE DISTRICT OF DELAWARE
RE: NEW CASTLE CONSTRUCTION COMPANY,
INC.

THURSDAY, DEC. 3, 1981

@ 11 A.M.

**CONSTRUCTION &
EARTH MOVING EQUIPMENT**

THIS IS A PARTIAL LIST

(2) Michigan Earth Movers: Allis Chalmers Bull Dozer w/Blade, Allis Chalmers Front End Loader Dozer. Additional Dozers plus M-100 Series B/Grader w/Ripper, (2) Caterpillars #12 Motor Graders, (3) Ford Front Loader Backhoes, Asphalt Paver, Ray Go Roller Model 600, Galion Roll-O-Matic Roller, Static Stone, Paving Roller, Front End Loader w/Track 1 1/2 Yd. Bucket 7G Series B, Plus Trucks, Low Boy Tandem Trailer, Plus Tools, AND Additional Heavy Equipment.

LOCATION: U.S. 13 to MIDDLETOWN, DEL. S. Through Middletown On Rt. 301 about 3 1/2 Miles to COUNTY RD. 445, Just Before Mid Line, Left On 445 Look For Signs.

INSPECTION WED DEC 2nd From 11 A.M. to 3 P.M.

TERMS: GUARANTEED FUNDS To Include Irrevocable Bank Letter Of Credit, Certified & Cashier's Check etc.

REMARKS: Call or Write for detailed brochure.

RUDNICK & MATAS, AUCTIONEERS

Box No. 1007, Wilm. Del. 19899

(302) 658-7264

PUBLIC SALE

WEDNESDAY, DECEMBER 9, 1981

At 9:30 A.M.

35 HEAD

35 HEAD

HOLSTEIN HERD DISPERSAL

HORSE DRAWN

FARM EQUIPMENT

HORSES

EAR CORN - HAY

CORN FODDER

Located in Lancaster County, PA - 7 miles south-east of Strasburg, 3 miles south-west of Gap, 1/2 mile north of Georgetown just off Rt. 896. Watch for signs.

DAIRY CATTLE

22 milk cows, approx. 7 due December & January, 3 fresh, balance in all stages of lactation; 12 open heifers, 6 ready to breed now, 6 yearlings, A.B.C. sired, 1 red & white. The animals have nice conformation and size, lots of potential - 30 day charts - pregnancy checked.

7 HEAD HORSES

1 pair gray mares, well broke; 3 year old blue roan mare; roan gelding lead horse; 6 year old roan mare; 7 year old general purpose part Morgan; 6 month old colt.

FARM EQUIPMENT

Oliver 16 inch single bottom trailer plow; McConnell spring tooth harrow, 3 years old; International 24 disc harrow; 8 foot single roller cultipacker; New Holland 456 7 ft. bar mower, hay controls; 5 wheel rake; John Deere hay conditioner, rubber roll; New Holland 273 baler with engine, recently overhauled; Mellinger preserve applicator; flat bed wagon, Ezee Trail gear; New Idea 223 corn picker, 1 row with Wisconsin 4 cycle engine; Farmec grain bin on gear; Viccon fertilizer spreader with small seed attachment; ground drive; New Idea 206 manure spreader; 2 John Deere corn binders, 1 with loader, 2 short carriers; 2 horse cultivator; 1 horse shovel harrow; old wagon with wooden spoke wheels; New Idea transplanter; 3 fore carts; 1 horse sleigh; scraper blade; milk cans; 175 gallon water tank on chassis; 160 gallon fuel tank with pump; approx. 3,000 tobacco lath; Wisconsin 10 h.p. engine, 2 years old; platform scales; Homelite chain saw; 72 hole metal bin with bolts, sells as 1 unit; acetylene torch gauges & hose; 27 hole wooden bolt bin; tobacco shears; tobacco press; 2 horse dump rake, like new; 20 piece socket set, 3/4" drive; pulleys; wagon load small items sold first. 6 set heavy harness; collars; bridles; horse trees; 3 Surge milker units; stainless steel carrying pails; strainers; twin tubs; approx. 28 ton ear corn; approx. 10 ton alfalfa hay; approx. 300 bale corn fodder.

Terms by:

EMANUEL & ANNIE PETERSHEIM

Auctioneers:
Steve Petersheim
717-786-4624
Everett Kreider

Lunch Available

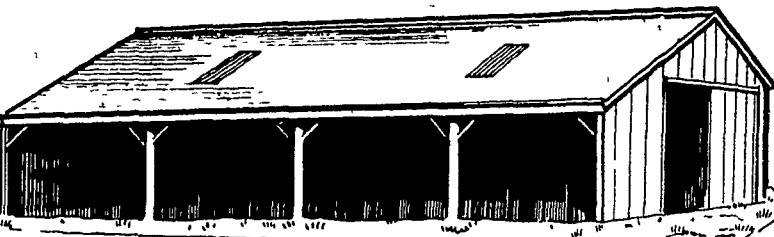
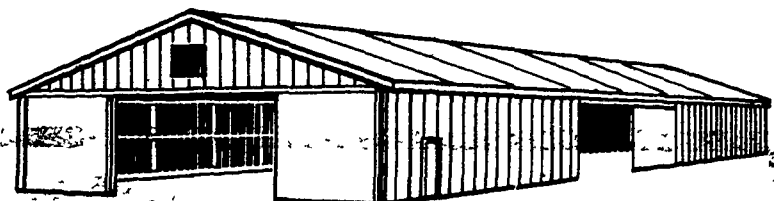
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STATE SIZE

Piedmont calf sale grosses \$28,455

FREDERICK, Md. — The 1981 Piedmont Invitational Club Calf Sale, for the second year, met a strong demand from buyers in Virginia, New Jersey, Delaware, West Virginia, Maryland, and Pennsylvania. Fifteen consignors realized a \$28,455 sale gross to average \$569.10 on 50 club calves.

Topping the sale, was a consignment from Russell C. Bennett & Sons. Their Limousin calf brought a \$1,175 bid. Bennett's sold another

calf at \$1,000 to Jeff Claycomb of Bedford.

Whitewood Farms of The Plains, Virginia received \$1,000 for their top calf, from David Stratton of Chambersburg. Whitewood also sold a calf at \$910. E & K Club Calves of Lancaster, Pennsylvania, received a price tag of \$775 for their best Chianina calf. The calf sold to Barry Geib of Manheim.

Another Virginia consignor, Nicholas Limousine of Leesburg, sold their only con-

signment to Teretha Kanagy of Belleville, for \$700.

White Ridge Farm, Hayland Farm, and Nittany Farms each sold their top calves on for \$600. Brandywine Valley Angus sold their top Angus calf for \$575, while Leneva Acres sold their Shorthorn calf for \$450. JDH Polled Herefords received \$485 for the only Polled Herefords calf to sell. Brown's Ranch, White Bros., and Art Wilson also contributed top quality Limousin crossbreds.

The team of Ken Brubaker and Ollie Bennett managed the sale in Frederick, Maryland. Brubaker served as auctioneer.

Sale Reports

A public sale of farm machinery and bulls was held Nov. 6 by Henry B. and Verna Mae Hess, 1 mile east of Quarryville on Hess Road.

The 20 mixed breed bulls, app. 600 to 900 lbs., sold from \$43 to \$50. Other prices were: N.I. spreader \$860, 12 KW PTO generator \$720, Case 1830 Uni loader \$9600, J.D. 2010 tractor \$1650, Gehl hammermill \$1000, J.D. 300 gal. tank sprayer \$690 and bin wagon \$500.

J. Everett Kreider & Steve Petersheim were the auctioneers.

xxx
A public sale of farm machinery and heifers was held Nov. 7 at Harold and Pearl Sweinhart's farm, Fredericksburg, Lebanon Co.

A total of 26 animals were sold, with the top purebred bringing \$1,525; 22 open and bred Holstein heifers averaged \$802; 2 open Brown Swiss heifers brought an average of \$537; and 2 service age Holstein bulls averaged \$690.

Some equipment sold and prices include: Leyland 384 diesel with loader and weights, \$5,925; Int. transport disc, \$1,000; Farmall 400 tractor, \$1,075; N.I. 310 one-row corn picker, \$1,550; Taylor-way chisel plow, \$375.

Straw was sold for \$65 per ton and oats sold for \$1.99 a bushel.

Auctioneering the sale

PIGS

Here are just a few reasons why you should attend the "State Graded" Feeder Pig Sales at Westminster!

- ★ Lots of pigs
- ★ Easy to get to
- ★ Super sanitary
- ★ Outstanding quality
- ★ Quick service
- ★ No tagging charge
- ★ No shipped pigs

**FRIDAY
NOV. 20
1:30 P.M.**

**WESTMINSTER
Livestock Auction**
For directions or info call collect (301) 733-8120 or write box 108 Hagerstown, Md

PUBLIC SALE

**FARM MACHINERY
FRIDAY, NOVEMBER 27
at 11:00 A.M.**

Located 5 miles south of Hanover along Baltimore Pike, watch for signs.

No small items.

JD 2440 tractor w/2 post roll guards and roof, remote valve, live PTO; Oliver 550 tractor w/loader, loader has hydraulic bucket, tractor has 3 pt. and power steering; JD 336 baler w/thrower; NH 260 rotabar rake, like new; JD 1209 hay bind, 9' cut; NH 36 flail chopper; Pittsburgh 10' wheel disc, like new; Brillhon cultipacker 10'; Zimmerman 8 ton wagon w/flotation tires and high sides; 16' hay elevator; IH four bottom trailer plow, trip back bottom; JD #8 harvester w/one row corn head; NI 206 manure spreader; IH manure spreader; 2 section harrow; IH model 1800 truck w/Daffin feed mill, no engine on feed mill.

Terms: Cash or Good Check.

Full settlement sale day.

**MR. AND MRS. JAMES HORAK
RD 2, Hanover**

Auctioneer:
Blaine N. Rentzel
Emigsville, PA
764-6412

SHADY LANE DAIRY SALES



Box 463, R.D. 4,
Quarryville, PA 17566
Dealing in All Types of Quality Dairy Cows

DAIRY CATTLE ON AUCTION

At Shady Lane Dairy Sale's, Inc. ½ mile west of Quarryville, off Rt. 372 west on Oak Bottom road.

**FRIDAY MORNING, NOVEMBER 20
11:30 A.M.**

80 HEAD OF REGISTERED AND HI GRADE HOLSTEINS

This sale consists of 25 cows and 1st calf heifers just fresh. Also 35 head of registered and grade cows all due in November and December.

Also: 10 first calf heifers due November and December from 1 farm.

This group of cattle has good size and dairy quality. Bred to freshen when you need them most.

If you want the most for your money and want to do business you will appreciate this sale. No cows sold prior to sale.

Free transportation to Lancaster Co. Amish

Terms cash or good check sale day.

Financing accepted only prior to sale

Bank Approved - No Charges or Credit

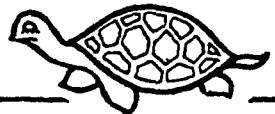
Preg. Examined by Vet. T.B. & Blood Tested
Health Charts sale day

Owners:

Glenn D. Fite
717-786-2750

David L. Fite
717-786-1725

**DON'T
BE
SLOW**



**Call Now To Place Your
CLASSIFIED AD**

Ph: 717-394-3047 or 717-626-1164

JUNIATA CO. WOODLAND AT PUBLIC SALE

SATURDAY, DECEMBER 5

2 Tracts woodland 27 and 29 ac. twp. road frontage, southern exposure, borders State Land.

For info, contact Auctioneers.

Long Bros., Auctions.

R.D.#2

Port Royal, Pa. 17082

Ph. 717-527-4458

PUBLIC SALE

**SURPLUS FABRIC-SEWING SUPPLIES
NEW TOOLS-HOUSEHOLD GOODS**

**SATURDAY, NOVEMBER 28
9 A.M.**

6 miles South of Quarryville, 8 miles North of Oxford, 500 ft. off 472 along Maple Shape Rd. in Kirkwood, at Kirkwood Fabric, Lanc. Co.

5000 YD. FABRIC 200 BOXES BUTTONS

Fabric sold by the pc., yd., lb., roll, and boxful. 50 rolls fabric up to 100 yd. rolls, 100 rolls upholstery fabric, 200 rolls elastic part and full up to 144 yd. rolls, 200 boxes buttons, 5 to 24 gr. to a box, 2,000 zippers, thread, many more sewing supplies.

200 TRAY LOTS-NEW TOOLS

200 traylots from mail order gift co., new socket sets, many more new tools, 2 new hyd. motors, 3,000 ft. new rope, 50 pr. used roller skates, bolts, nuts, new hardware, 100 gallons paint, many, many more items. Sale inside. Bring chairs. Refreshments.

Sale,
ABRAM B. STOLTZFUS

PUBLIC AUCTION

**ANTIQUES — GLASSWARE
CHINA — SILVER
JEWELRY AND COLLECTIBLES
SATURDAY, NOVEMBER 21**

at 10 a.m.

Location: 2 miles south of Mountville off route 462 on Central Manor Rd. at Herr Fruit Farm (Old Sales Barn)

R.S. Germany: Blue Lustre, Numerous Nippon Pieces: 8 pc. Azalea Pattern, Noritake, Depression, Art Glass, Stangl: Serv. for 6 (Florentine Pattern), Satsuma, Heisey, Cut and Pressed Glass, Fiesta Ware, Roseville, Carnival, Bennington, Occupied Japan, Flow Blue Plates, Salts, Lots of nice glassware and bric-a-brac.

Kerosene Lamps (1 Coolidge Drape), Baskets, Block Planes (signed blades), Dietz Lantern, Agateware, Hubley Cap Pistols and a Hubley Tractor, Copperware, Advertising Pieces, Pictures, Small Mirror and Large Oval Mirror, Antique and Costume Jewelry, Old Flask, Sterling Silver, Books, Bottles (Perfume and Ink), Old Fans, Hat Pins, Broad Axe, Pocketwatches, Sunshine Beer Sign, Camel Back Trunk, Oak Hall Rack, 22 Rifle and Many items not mentioned.

Bring Own Chairs

Food Served

Terms: Cash or Approved Check. No out of state checks accepted.

Sale by Agent for Owner (Owner moving out of area)

Auctioneer: H. Edward Johnson

R.D. #2, Lancaster, PA

Ph. (717) 285-4358

PUBLIC SALE

SATURDAY, NOVEMBER 28

1:00 P.M.

Real Estate

Located ½ mile East Nickel Mines on White Oak Rd.

2½ story house, 5 bedrooms, bath, kitchen & living room, 2 story barn, horse stable & shop-nice cond.

10% down sale day, final settlement 60 days or negotiable.

Terms by

BEN & BARBARA ESH

Atty. Linda Kling

Auct. Steve Petersheim

717-786-4624

Everett Kreider

PUBLIC SALE

**Of Antique Furniture, Hummels,
Collector Plates & Many Other
Collectibles, Sterling
Silver Items**

Brickerville Fire Hall

MON. EVE., NOVEMBER 23

At 5 P.M.

Located just off Rt. 322 (between Ephrata & Hershey), Brickerville, PA — (Watch for pointer signs).

Antique Low Dresser (2 drawers - solid ends); 3 pc. Oak Bedroom Suite (extra nice); Oak Drop Leaf Table; Oak Parlor Table; Oak Bookcase (leaded glass); Cherry Empire Bureau & 2 other Empire Bureaus; Cottage Bureau; Princess Desk; 4 Leg Walnut Dropleaf Table; Walnut Parlor Table; Bookcase (bottom drawers); 4 Cane Seat Chairs; Nursing Rocker; Reed Seat Chair; Wicker Chairs & Rocker; Platform Rocker; Desk.

**"Olympic" Cast Iron
Franklin Stove**

(With Barbeque and Screen)

Many Pictures; ORIENTAL RUG (32"x52"); Desk Light; Misc. Small Kitchen Appliances; Farberware Rotisserie; Lanterns; Leaded Electric & other Lamps.

**Large Collection of
China, Silver, Brass, Etc.**

55 HUMMELS; 12 HUMMEL PLATES; 4 Hummel Wall Plaques; 14 Wedgewood Plates; 19 Bing & Brundel Plates; 16 Royal Copenhagen Plates; 21 Small Blue Plates; 7 Wedgewood Mugs; 3 pc. Wedgewood Candlestick Dish Set; 12 5 PLACE SETTINGS WEDGEWOOD FLORENTINE TURQUOIS; Sterling Silver - Service for 12 (6 extra forks); Sterling Silver Measuring Glasses and Cordial Glasses; Sterling Silver Serving Dish; many Silver Serving Pcs. — Bowls, Pitcher, Vegetable and Other Dishes, Gravy Boat, etc.; Aladdin's Lamp; Mexican Silver; Mexican Silver Napkin Rings; Pair of Pheasants & Pair of Fighting Cocks in Mexican Silver; PEWTER Dishes; Scoop; Candlesticks; Tea Set; Sconces, etc.; Stief Pewter Cups (lg. & small); Pewter Revere Bowl.

Black & Brass Plaques; MANY BRASS ITEMS: Brass Lamp with Shade; Brass Clock; Brass Candleabra with Globes; Brass Bells; Mortar & Pestal & Brass Quails; Bowls; Pitchers; Ladle, etc.; Many Wooden Items — Candlesticks; Magazine Racks; Buckets; Serving Sets; Bowls, etc.; 2 Wood Hummel Plaques.

Approx. 400 Steins

Gold Plated (Silverware) Service for 12; Gold Trimmed Serving Pieces; Several Pieces Pennsbury Pottery; many Ceramic items; 2 "Lladra" Figurines with Bases; Antique Celery Dish; Antique Glass Pitcher; Blue Glass Wine Set; Shrine "Pretzel" & "Tall Cedar" Bottles; Pretzel Ceramic Flasks, Wine Jugs; Assorted Baskets; Ivory Carving Set; Shaft Bells; Several Sets of Strap Bells; Antique Folding Feather Fan; Cast Iron & Ceramic Trolley Cars.

LINENS — Hand Made Rug; Antique Spread; Table Cloths; 2 Quilts.

Terms by:

**J. GEORGE HORNBERGER &
DOROTHY E. HORNBERGER**

T. Glenn Horst, Auct.

Timothy G. Horst, Auct.

859-1331

AUTOTORE'S AUCTION

SATURDAY, NOVEMBER 21

Starting at 11 A.M.

Location-Bloomsburg R.D. 5 off route 11 North of Bloomsburg. Turn at Deihl's Discount (Follow auction arrows), Centre Twp., Columbia County.

**Residential-Commercial
Agriculture Properties**

45 acres of fine agriculture lying along I-80 having a lg. 40x200 steel building on cement slab, fully insulated & heated & cooled by two heat pump units. 2 well giving 100 gal. per minute. 200 Amp service & 3 phase wiring. Property suitable for multi purpose & potential development.

Property #2 is located off route 11 North of Bloomsburg, turn left at Lackawanna Ave. There is 31 acres of which 20 have been approved for 40 building lots. 11 acres have commercial frontage.

Also being sold is new household items. Terms- Property Property-Cash. Real Estate-Property 1 - 45 acres - \$10,000 down, balance in thirty days. Buyer pays all transfer taxes.

Real Estate #2 \$5,000 down day of Auction balance in thirty days. Buyer pays all transfer taxes. Property #2 can be financed by seller by qualified buyer. Statements made day of auction regarding real estate take precedences over any previously written material.

Real Estate to be offered at 12:30 P.M.

**Seller- EDWARD FOLK
717-784-9435**

Auctioneers:

John Autotore 784-3506
John Jr. 784-0381

For appointment to see Properties prior to auction call 717-784-9435

PUBLIC AUCTION

**FARM EQUIP.; JERSEY
DAIRY HERD; SHEEP**

**TUESDAY, NOV. 24, 1981
at 11 A.M.**

Midway between Oley & Pleasantville, turn south onto Snyder Road to 1st farm on right, Berks Co., Pa.

Dairy Herd: (55) head of registered Jersey dairy cattle, 40 head are milking in various stages of production, majority fresh or close fresh, balance calves to yearlings, blood lines such as Wilderness, Meadowview Farms, Bold Torino, Chocolate Sunday, mostly bred to ABS bulls 1000 plus, tested w/individual charts to buyers, write or call for detailed information.

Farm Equip.: JD 4320 diesel w/side console (nice); JD 420 w/3 pt. hitch 2400 hrs., culti for same; JD #1710-11' mulch tiller; 10' transport disc; 10' roller harrow; JD 8250-14 single disc grain drill w/grass seed banding attach; JD P-1250 six row narrow corn planter; JD 680 tandem axle manure spreader w/hyd. end gate (used 5 months); N Idea 701 Uni tractor w/combine & 13' hune reel, also 3 r narrow C head & shelling attach; NH 770 forage harvester w/two r narrow C head & pick up attach; Grove two beater forage wagon; (2) NH #8 forage wagons; JD #66 pto hopper blower; Hesston PT-7 haybine; NH 55 rake; Int. #26 baler w/thrower; (2) McCurdy gravity wagons w/6 ton running gears; JD 310 tandem axle auger wagon; Int. 1 PR C husker; JD 3 pt. spinner spreader; JD 3pt. 140 weed sprayer; 3 pt. auto roller miller w/auger; Badger engine driven bedding chopper; Badger calf waterer; (2) calf hutches; (2) round hay feeders; air compressor; 30'x40' story barn (six) mon. removal time; (15) Hampshire ewes, some registered, purchased at Keystone ewe sale.

NOTE: No small items, sale starts promptly w/farm equip. sheep to follow, dairy cattle approx. 1 P.M.

Terms- Cash or check, out of state checks accepted w/bank letter of credit.

Refreshments served

Ordered by

MARVIN W. WAID

Conducted by Ralph W. Zettlemoyer
Auction Co. Inc.
215-395-8084

By Order of U.S. Bankruptcy Court, E. Dist. of Pa.
#81-000606 J.H. Ganz, Esq., Trustee

21± Ac. "CHESTERFIELD FARMS"
Desirable CHESTER SPRINGS, PA. Area
Superb Horse Boarding, Training, Breeding Facility Well-maintained. Total of 34 Box Stalls. Excellent Horse Barn. Indoor & Outdoor Rings Pine Creek Rd., W. Pikeland Twp. CHESTER COUNTY

TRUSTEE'S AUCTION

Subj. to Court Approval,

Possession, As Entirety

Main Bldg.: 24 box stalls; Eff. & 2-Bdrm Apt.
Indoor Ring Bldg.: w/10 box stalls; 150' x 60' ring.

DIRECTIONS: From Rts. 202 & 401: W. on 401 approx. 3 mi. to 1st left past Trnkp. (Pine Creek Rd.) Left 4/10 mi. to property on left.

INSPECTION: DAY OF SALE

SALE on Premises:

THURS., NOV. 19 at 2 P.M.

15% Deposit at Sale

Request Illustrated Brochure

Louis Traiman
AUCTION CO. OF PA.

Real Estate Brokers - AUCTIONEERS
1515 SPRUCE STREET PHILADELPHIA PA 19102 (215) 545 4500

ROBERT FASSETT DISPERSAL

R.D. #1, Ulster, Pa.

(Bradford County)

FRIDAY, NOVEMBER 20

11:30 A.M.

Sale to be held on the farm. Use Rt. 220 to Ulster, turn at blinker light to Bridge Street, cross bridge, turn right, then take first left to Glent Hill Road. Go 3 miles to first blacktop road on the right, turn, then go 1 mile to the farm. Ulster is on Rt. 220 and is 13 miles south of Rt. 17 exit at Waverly, N.Y., 9 miles south of Athens, Pa., and 7 miles north of Towanda, Pa. Watch for arrows from Ulster!

45 - HOLSTEIN COWS - 45

45 mature Holstein cows of which 16 are handling or bagging; 10 recently fresh; 6 head due late winter; some recently bred for summer freshening; balance in all stages. The dairy has been pregnancy examined, shot for shipping fever; blood tested for Brucellosis, TB tested and are eligible for immediate interstate shipment day of sale.

MACHINERY

Int. 826 diesel Tractor w/wide front, 3 pt. hitch; Int. 686 diesel Tractor w/wide front; Int. 550 5 btm. semi-mounted plows; J.D. 10 ft. Transport Disc; McConnell 16 ft. Transport Drags; Int. #10 13 hoe Grain Drill; Century Sprayer; J.D. 494A 4 row Corn Planter; N.H. 718 Chopper w/one row Corn Head and Pick-up Head; (2) N.H. Crop Carrier 8 Self-unloading Wagons on N.H. running gears; N.H. 27 Whirl-A-Feed Blower; N.H. 479 Haybine; N.H. 55 Side Rake; 2 Kicker Wagons; 1 Flat Wagon; 2 Hay Elevators; A.C. 86 PTO Combine w/Bin; N.H. 357 Grander Mixer; N.H. 790 Tandem Axle Manure Spreader w/new Apron Chain and Hydraulic EndGate; 18.4x34 Double Ring Chains.

BARN & MILKING EQUIPMENT STANDING CORN

600 Gal. Kraft Ice Bank Bulk Tank; 4 Surge Milkers; Kesco Milkmoover Dumping Station & Hose; Lane Dryer; Surge Alamo 40 Milker Pump; Barn Equipment - Weaverline Electric Silage Cart & Charger; Patz Silo unloader w/5 HP motor in 18 ft. silo. CORN - Approx. 30 acres of standing Corn to be sold in lots.

Special Mention - 12x65 2 Bedroom Fleetwood House Trailer.

Farm is for sale at private treaty by contacting Robert Fassett at 717-358-3731.

P.S. - No small tools. We will start right on machinery, followed by Milking Equipment, Barn Equip., Standing Corn, Trailer, then Cattle.

Terms - Cash or Good Check w/Positive ID. Lunch Available.

MEL MANASSE

Sales Manager & Auctioneer

Whitney Point, N.Y.

607-692-4540

Pa. Auctioneers License

#AU-000571-L

Sale Reports

A public sale of household goods and tools was held Nov. 7 by Samuel G. Maxwell, 40 Melvin Drive, Colonial Park, Bareville. Some prices were: Mark V. Shop Smith set \$750, band saw \$235, sander \$175, drill press \$75, jointer \$85, riding mower \$290, 1966 Buick Skylark coupe \$625, freezer \$210, marble-top dresser \$185, portable color TV \$210, washer &

dryer \$120 each and kerosene heater \$135.

Auctioneers were Robert E. Martin & Son and Frank L. Steller.

xxx

A public sale of a 64-acre farm was held Nov. 7 by Mary S. Sauder, along Colebrook Road, between Lancaster and Mount Joy.

The property was sold for \$5,100 per acre and included a small cow barn, silo, milk house, tobacco shed, 4 car garage and small chicken house. The purchaser was Leon Musser, R2, Manheim, Pa.

Rufus Geib was the auctioneer.

xxx

A public sale of real estate and household goods was held Nov. 7 by Donald K. Kocker and Dorothy Snyder, 1 mile north of Berrysburg, along Route 225.

The 54-acre farm included a 2½ story frame house and assorted buildings and was sold for \$87,000.

Other prices included: McCormick Farmall Cub tractor \$950, aluminum ladder \$115, washstands \$55 to \$65, kitchen cabinet \$45, pressed back chairs \$30 each, square-top stand \$45, round stand \$20 and 2-pc. bedroom suite \$90.

Dockey & Dockey were the auctioneers.

xxx

A public auction of real estate was held Nov. 6 by Morris J. and Elvin E. Lebo, 326 Lebo Rd., ½ mile northeast of Millersburg, Dauphin Co.

The 110-acre farm was sold for \$255,000 and included a 2½ story frame 11 room house, frame ranch house, new dairy barn, silo, and cattle & implement shed.

Mark & Dave Deibler were the auctioneers.

xxx

A public sale of farm machinery and household goods was held Nov. 7 for the John Topper estate, 2 miles east of Cochransville.

Some prices received were: corn planter \$2000, elevator \$160, augers \$100 & \$140, Massey Harris tractor \$550, cultipacker \$85, baby coach \$85, dresser \$120, brass bed \$200, bedspread \$55, table \$27.50 and jug \$27.50.

Auctioneer was Steve Petersheim.

xxx

A public auction of real estate and antiques was held Nov. 7 for the Barbara B. Sheaffer Estate, along Route 234, between York and East Berlin.

The 9½ acres with an 1854 stone house, summer house, 2 car garage, small frame barn and machine shed were sold for \$75,100.

Other prices received were: wicker settee & 2 chairs \$725, Gaudy Welsh pitcher & bowl set \$350, pun corn husker \$18, child's "Sambo" book \$18, basket \$60 and 22 braided rugs \$21 to \$35 each.

Clair R. Slaybaugh was the auctioneer.

AUCTION SALE COMPLETE LIQUIDATION SATURDAY, NOVEMBER 21, 1981 10 A.M.

FOR: NAZZ MARIANI CO., on Rt. 1 in Media, Pa. Everything Sells to the Highest Bidder.

EXCAVATORS: Insley 2250B s/n H23600, Gradall 1000 s/n NP90488; MOTOR SCRAPERS: (2) Euclid TS14 s/n 53838 & 39; (2) A-C 260A w/n 6991a & 81; MOTOR GRADERS: (2) A-C 45 s/n 530 & 191; CRAWLER TRACTORS: (3) A-C HD21P s/n 14901, 14446, & 14607; A-CHD16DCs/n 4705, A-C HD 5B s/n 24803; LOADERS: Cat 922A s/n 59A1033, A-C TL-14D s/n 3183; LOADER BACKHOE & HYD. HAMMER: Ford 4500 s/n 381280, Allied 77; ROLLERS, PAVING BOX: Galion 8-10 ton, B-S 10-14 ton, Essick 5-8 ton, Ford Lane; LOWBOY, TK. TRACTOR, JEEP, MISC. TKS., TRAILERS: Smthco 35 ton, 62 Dia-T 931B, 70 Jeep CJ5, 46 GMC w/air Comp.; Quaker 6,500 gal., 51 IHC Fuel Tk., 51 Dodge Fuel Tk., 48 GMC Stake, (2) Storage Trls., Tool Trl.; SYMONS FORMS, LASERS, CONTR. TOOLS: (54) Symons Forms; Pumps, Hose, (3) Lasers, Compactors, Drilling & Tapping Machines, Welder, Steam Cleaners, Vise, Jack, Valves, Fittings, etc.

TERMS: COMPLETE PAYMENT SALE DAY IN CASH OR GUARANTEED FUNDS ONLY. Write or call for descriptive brochure:

**VILSMEIER
AUCTION CO., INC.**

Route 309, Montgomeryville, Pa. 18936
Telephone: (215) 699-5833

RUSJACRES REGISTERED HOLSTEIN MILKING HERD AND CALF SALE

**THURSDAY, NOVEMBER 19
at 1:00 PM**

Cuba, NY. At the Farm, 3½ miles east of Maplehurst, (Use Exit 28 off Rt. 17 at Cuba or Exit 29 at Maplehurst), 1½ miles west of Cuba, on Route 446.

August 1981 Classification on 30 Head: 14 "VG", 12 "GP", and 5 "Good". April 1981 Herd Average: 18,283 3.4 619f. Featuring 5 daughters of Elevation all scored "VG". "Pearl", "VG" at 3y, dam is "VG-86" with 140,850m; 2nd dam is "EX" with 125,020m. "Tess", "VG-87" with "VG-Mammary", completes 4 generations of 20,000# cows and due to Cavalier; "Bobby-Jo", "VG" with "VG-Mammary" and due to Valiant, her dam is "VG-86" with 19,360m 3.8% 729f. "Prilly-Jo", "VG-87" with "VG-Mammary" and due to Money-Maker. "Windy" "VG" at 3y, and sells with her Sept. calf by Jupiter, her dam is "GP-82" with 100,000m. ALSO a Downlane Reflection Emperor "VG-87" with "VG-Mammary" and 5-2 359 27,334 888f. A "VG-88" Bootmaker with 145,708m to date. A "GP-81" Pawnee Farm Arlinda Chief with 2-1 301 17,020 4.5 768f, her dam an Astronaut with 738 fat. A "VG-85" Willow with 3-5 305 21,610 685f. A "VG-87" Ned with 3-4 19,329 633f sells with her July Grand Fortune calf. Also selling a Cavalier; a Grand Fortune; and a Willow heifer calf. Other sires represented: Glen Valley Star, Matt Tippy, Triune Complete, Willow, Umque, Brett, Robbie, Rock, Fashion Man.

Cattle tested for Interstate

Terms: Cash or good check day of sale, nothing to be removed until settled for. For Details, see the Nov. N.Y. NEWS or the Oct. 25 Holstein WORLD.

Owners

RUSS & JOAN GIESEY
Ph. 716-968-3961

WILLIAM KENT, INC.

Sale Manager & Auctioneer
Bergen, NY Ph. 716-494-1890

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

NOVEMBER

SAT NOV 14 - 11:30 A.M. Public Auction of 52 acre Farm, Farm Equipment and Personal Property Located in Ringtown Valley, Union Twp., Schuylkill Co., PA, from Ringtown Borough take North Center St go 1/2 mi., turn West on American Legion Rd cross Iron Bridge, turn right at first macadam road, go to second farm Peter and Barbara Boyer, Owners Deibert Auctioneers

SAT NOV 14 10 A.M. Public Sale of Real Estate, Vehicles, Tools, Auto Parts, Garage Equipment and Office Equipment Located at Schaum's Corner, Intersection of Rts 272 and 772, just off Brownstown Exit at Rt 222, along road from Schaum's Corner to Rothsville, Lancaster Co., PA Irvin L. Zimmerman, Owner Frank and Paul Snyder, Auctioneers

SAT NOV 14 2 P.M. Public Sale of 8 acre Farmette and Misc Household Goods Located along Rt 322, 2 1/2 mi east of Blue Ball Amos Shirk, Owner Nevin Martin and Lewis Groff, Auctioneers

SAT NOV 14, 10 A.M. Public Sale of Real Estate, Antiques, Household Goods, Tractor and Tools Located 421 W Donegal Spring Rd Borough of Mount Joy, Lancaster Co., PA Take Rt 141 south 2 blocks to E Donegal St on to W Donegal St, to Donegal Spring Rd Sale by Maud H Rice Howard Shaul and Roy C Probst, Auctioneers

SAT NOV 14 9 A.M. Public Sale of Farm Machinery, Tools, Pickup Truck, Straw and Ear Corn Located approx 2 mi north of Stewartstown, off Rt 24 turning at Greer Chevrolet, along the road to Cross Roads in York Co., PA Mrs Pauline B Trout, Owner Robert L Sechrist, Auctioneer

SAT NOV 14 2 P.M. Public Sale of Farmette, Ear Corn and Misc Items Located along Rt 322, 2 1/2 mi east of Blue Ball, East Earl Twp., Lanc Co., PA Sale for Amos H and Annie S Shirk Nevin Z Martin and Lewis B Groff, Auctioneers

SAT NOV 14 10 A.M. Public Sale of Valuable Real Estate, Antiques, Auto and Household Furniture Located along Bentz Mill Rd in the Village of Kraitown, PA Take Rt 194 about midway between Dillsburg and East Berlin, then turn east 3 1/4 mi onto Creek Rd or Rt 74 north of York, PA and continue thru Rossview, Wellsville to Kraitown in Washington Twp., York Co., PA Margaret I Myers, Owner Clair R Staybaugh, Auctioneer

SAT NOV 14 - 9 A.M. Public Sale of New and Used Inventory Located at 1140 Dillerville Rd, Lancaster, PA on Manheim Pike and Diller-

**SADDLE UP!**

To Better
Equipment...
Find It In
Lancaster
Farming's
CLASSIFIEDS!

ville Rd., J. Everett
Kreider and Steve Peter-
sheum, Auctioneer

SAT NOV 14 - 10 A.M.
Public Sale of Cattle,
Farm Equipment and
Tools Located 4 mi east
of Lingiestown Sq to
North Fairville Ave. or
take Manada Hill exit 27,
go west on 39, 1/2 mi to
North Fairville Ave, 2 mi
to sale Sam and Tom
Bower, Owners Richard
P McNeal, Auctioneer

PUBLIC AUCTION**OF ANTIQUES**

To be held at the Kauffmans Ruritan Building, 3 miles north of Greencastle, Franklin Co., Pa. along the Brown's Mill Road. 8 miles south of Chambersburg, on Route 11 turn east 1 mile at Cross Roads Dairy sign. On 81 exit 3 miles north on Allison Street on

SATURDAY, NOVEMBER 21**9 A.M.**

FURNITURE - Mahogany chest of drawers, solid ends, O.G. feet, circa 1800; dovetailed pine blanket chest, flared feet, hand forged lock, key, handles and hinges; 2 - pine dovetailed chests; pine slant lid desk; walnut hanging corner cupboard; walnut school Masters desk with railing and 2 drawers, dovetailed thru out; unusual child's rocker with caned seat and back; small pine cupboard; Jenny Lin trunk; child's maple rocker and straight chair; several stools; very old bench table in the rough, old paint; fine old chunk stove made in Greencastle, Pa.; very fine cherry slant lid desk with railing and dovetailed drawers and pigeon holes, descended from the Wallace family of Waynesboro, Pa.; set of 6 very fine old plank bottom chairs, half spindle, thumb back and fine decoration with rocker to match, 9 other old decorated chairs, walnut Victorian desk with book case above pigeon holes and all drawers dovetailed; 4 farm work tables, 2 walnut, 2 soft wood; bird's eye maple stand; child's oak extension table with one board; etc.

25 PIECES OF POTTERY - 3 stoneware flowered 6 qt. jars, 1 Solomon Bell, 2 S. Bell & Sons; 5 pieces of John Bell; 1 gal. stoneware crock, S. Bell; 1 gal. stoneware crock, A. Conrad; Movavian basin; 2 qt. red ware crock, Baker pottery, Waynesboro, Pa. (rare); red ware bulbous crock with handles; 2 - two gal. bulbous crocks with handles; yellow glazed gal. jar with handles (flowered); gal. stone ware crock, S. Bell; red ware mug; Bennington mug; 3 spongware bowls, yellow, blue and brown; etc.

WOOD CARVINGS - 7 pieces of Frank Feathers, very fine flower holder with carved Indian, 1 cane, 2 plaques, 2 Bibles, and tool box; other wood carvings; Eagle butter print; wooden nut cracker; bone butter paddle; wooden spoons; letter opener; 5 pieces of trampart; etc.

SPECIAL MENTION - 2 carved and painted birds, carved in Cassel, Germany 1866.

CHINA and GLASS - 2 - spongware pitchers (Peacock and Holly); 4 piece purple slag set; 6 amber bird salt dips; fish pitcher; owl pitcher; Harpers Ferry platter; Picketts Charge platter; 4 pieces Gandy Welsh; Mocha covered butter dish; 2 Royal Doulton pitchers; coin pattern butter dish; Azalea pattern, 6 cups and saucers, pr. salt & peppers and mustard jar; etc.

MISCELLANEOUS - Miniature lights; one piece wooden scoop shovel, (dandy); 7 boxes of good books; tin tea pot; 2 ft. long wooden 3 mask sailing scooter (rare); 2 brass lanterns; grain cradle & rake; round wicker clothes hamper; kraut stompers; old tools; old scales; old salt box; wooden bbl. pump; baskets; neck yoke; cast iron horse heads; 4 turkey bells; drinking cups; very early miniature bobbed, 12" x 38", (museum piece); sterling 3 piece mirror & brush set; Wagner salesman sample mush pot; salesman sample coat & pants; salesman sample buck saw; 1 doz. bone handled knives & forks; fine brass steam whistle; walnut razor box; 2' x 6' pony wagon with wood wheels; 6' wing spread airplane with motor; 18" x 18" tin tea caddy, original paint; scooter sled for children; gun rack; quilting frames; 3 brass scales; counter scale; etc.

AUCTIONEER'S NOTE - Again this will be the outstanding typical sale by Nelson Myers. Items always in excellent condition. A Choice Collector. Inspection sale day at 8 A.M.

TERMS: CASH**LUNCH STAND****NELSON MYERS**

8447 Brown's Mill

Road

Greencastle, Pa.

J. ROBERT MEYERS, Auctioneer

SMITH and ALLEMAN, Clerks

MARYLAND FALL FESTIVAL ANGUS SALE**FRIDAY, NOVEMBER 20****6:30 P.M.**FREDERICK FAIRGROUNDS,
FREDERICK, MARYLAND**SELLING: OVER****100 HEAD OF REGISTERED****ANGUS CATTLE****3 Bulls; 64 Females**

Exceptional Size and Frame

SPONSORED BY:**MARYLAND ANGUS ASSOCIATION**

Sale Chairman:

Dr. Lee E. Miller

9327 A. Gravel Mill Road

Woodsboro, MD 21798

Phone: 301/898-7274 or 301/898-5691

PUBLIC SALE**OF SAWMILL LUMBER & TRACK TRACTOR & TOOLS**

Along Noble Road south of Bart Colerain School. App. 5 miles Southeast of Quarryville off Rte. 472.

SATURDAY, NOV. 21, 1981**9 A.M.**

App. 4,000 board feet of sawmill lumber.

Furniture grade walnut, cherry, pine, oak, poplar etc., to be sold in small lots for small shops. Locust fence posts; fence boards in oak & hemlock; several hundred oval plaques pieces for coffee table; hemlock tobacco rails - 3x5x16, 3x5x18; Construction lumber in oak, poplar & hemlock - 2x4, 2x6, 2x8, 2x10, 2x12; sheets of formica 4x10.

TD6 International Diesel Crawler with Cable Winch (good shape)

Table saw; joiner; drill press; small tools and equipment; Senco air staplers; thousands of staple nails of all kinds; iron bender; 1 ton chain hoist; several old sawmill blades; air starter for big engines; office chairs; paint. Many items too numerous to mention.

Terms by**AMOS S. KING**

Kirkwood Rd

Aucts.

J. Everett Kreider

Steve Petersheim

786-1545

Lunch furnished

Moving To New Location Of
Kitchen Cabinet Korner

PUBLIC SALE**OF KITCHEN CABINETS & BATH VANITIES, OFFICE EQUIPMENT****FRI. EVE., NOVEMBER 20****At 6 P.M.**

Located at 127 East Main St., New Holland, PA.

16' Oak Raised Panel Kitchen with Formica Top - Cast Iron Sink & Hood.

54" Apartment Kitchen (Knotty Pine).

18' Yorktown Oak Kitchen.

Oak Pantry Unit with Broom Cabinet & Base Cabinets.

10 Bath Vanities with Marble Tops and Faucets.

Medicine Cabinets - Various Size Wall Cabinets.

20 (Approx.) Marble Vanity Tops.

Blue Cast Iron Tub with Marble Tub Walls.

Round Maple Breakfast Set. (New) & 4 Chairs.

New 30" G.E. Electric Stove (Continuous Clean Oven).

Oak 30" Gun Cabinet (5 Gun - New).

Gold Bond Decorated Wall Panels.

100 Sq. Ft. AM Brick & Paste.

Marble Tub Walls.

Lots of Formica

Delta Sink Faucets.

Chrome Futura Accessories.

Amrock Bath Accessories (Antique English).

Office Desk.

Texas Instrument Calculator (Print Out).

Window Air Conditioner and many other kitchen and bath remodeling items to be sold.

Terms By**KITCHEN CABINET KORNER**

T. Glenn Horst, Auct.

Timothy G. Horst, Auct.

ABSOLUTE AUCTION

EQUIPMENT, AUTO PARTS, OFFICE EQUIPMENT, BUSINESS MACHINES, ETC.
AT "BOLAN MOTORS, INC." (A FORD AGENCY FRANCHISE), 1127 S. Dupont Highway, Dover, Delaware.

SALE DATE: WED., NOV. 25**11:00 A.M.**

Tool Room Service Dept. Complete With Equipment, Parts, Shelving, Compressor, Plus Office Furniture, Office Machines, Hundreds Of Important Items. **INSPECTION: Tuesday, Nov 24, From 11:00 A.M. to 3 P.M.**

Call or Write For A FREE DETAILED BROCHURE

RUDNICK & MATAS AUCTIONEERS

P.O. BOX 1007, Wilmington, DE. 19899

(302) 658-7264

AUCTION**OF ANTIQUES & COLLECTIBLES****WEDNESDAY, NOVEMBER 18, 1981****10:00 A.M.**

Located at Lykens Valley "Shop and Play Hall", Route 209, Lykens, Pennsylvania.

FURNITURE

4 Chippendale Centennial Ribbon Back Side Chairs with Cabriole Legs, Ball and Claw Feet; Fan Carving; Chippendale Centennial Air Chair with Ribbon Back, Cabriole Legs, Ball and Claw Feet, Fan Carving; Mahogany Pedestal Round table, 59" in Diameter with Large Claw Feet and 4 Boards; Mahogany Sideboard with Claw Feet; 2-Pc. Soft Wood Dutch Cupboard with Glass Doors on Top; 2 Drawers in Base; Tall Double Door Milk Cupboard with Original Graining; Soft Wood Solid End Wash Stand; Blanket Chest with Original Graining and Grab Lock; Cannonball Rope Bed; (4) Plank Bottom Arrowback Chairs; 9-Spindle Bow Back Windsor Chair; Knee-Hole Desk (refinished); 3-Pc. Late Victorian Living Room Suite; Round Top Trunks; Wood Box; Wicker Baby Carriage; Etc.

MISC. ITEMS

COWDEN & WILCOX 3-GALLON JUG WITH COBALT BLUE MAN IN THE MOON DECORATION; Cowden & Wilcox Jug with Cobalt Blue Flower Decoration; Shenandoah Pottery Jar Marked D. Henkel; Redware Pottery by Bell; Pottery Butter Tub by J. Eberly & Brotter, Strasburg, Va.; Approximately 16 Quilts including 1 Appliqued with Orange Background, Red and Green Design - Amish Quilt in Blue, Brown and Maroon; Miniature Round Top Chest, Dovetailed and Original Decoration; Reverse Painting on Glass Tiffany-Type Table Lamp; Unusual Metal Animal Trap; (2) Indian Rugs; Sulfide Marble; Primitive Painting on Slate; Wooden Measure; Bracket Light with Original Reflector; Redware Turk's Head; Collection of Buttons; Railroad Paperweight, Playing Cards and Chisels; Christmas Decoration; Curved Powder Horn; Straw Basket; Schoenhut Child's Pinno; Schoenhut Wooden Doll; (2) Civil War Letters; Ansonia Octagon Wall Clock; Silveroid 23 Jewel Trainman's Special Pocket Watch; Kerosene Lamps; Confederate 1864 Rifle Contracted by Spain; Buddy L. Ladder Fire Truck (ladders missing); Collection of 39 Ginger Bottles; Gilbert Silver Bullet Electric Train; Postcard Albums; Godey Books; Souvenir Spoons from the 1939 World's Fair; Etc.

GLASS & CHINA

Marigold Carnival Glass Footed Bowl; Copper Lustre Mug; Green Victorian Water Set 21-Pc. Child's Tea Set; Late Adams Rose Cups and Saucers, Oblong Dishes and Plates; Large Selection of Cut Log and Broken Column Pattern Glass; Azalea China; Decorated Milk Glass Easter Eggs; 1979 Goebel Easter Egg; Norman Rockwell Ornament by Dave Grossman; 1978 Currier & Ives Christmas Bell; 1979 Goebel Mother's Day Bell; 1977 Christmas Plate by Royal Copenhagen; 1977 Bing & Gorndahl Christmas Plate; 1978 Goebel Crystal Plate; 1976 Gorham Mopet Christmas Plate; 1979 Royal Doulton Valentine's Plate; (5) Hummel Figurines; Hummel Covered Candy Dish; 1973 and 1974 Hummel Plate; Numerous Other Items.

TERMS: CASH. PERSONAL CHECKS ACCEPTED ONLY FROM PERSONS HAVING AN ESTABLISHED ACCOUNT WITH AUCTIONEER.

INSPECTION OF ITEMS DAY OF SALE FROM 8:00 A.M. TO TIME OF SALE



PUBLIC SALE

OF REAL ESTATE
(2½ Story Brick House & Lot On Corner Property)
FINE ANTIQUES - HOUSEHOLD GOODS & TOOLS
WEDNESDAY, NOVEMBER 25, 1981
At 10:00

Located at 501 & 503 E. Chestnut St., Lancaster, Pa. Corner of E. Chestnut & N. Ann St.

Real Estate: 2½ story brick house w/6 rms. & Full bath. Attached 1 story brick bldg. w/2 rms. & powder rm. 16' x 50' 1½ story brick bldg. Lg. vacant lot on east side of house. Lot size: 70' frontage by 90' depth more or less to 10' common alley in rear. Property will be open for inspection Sat's., Nov. 14 & 21 from 10:00 until 12:00 noon. Real Estate to be sold at 2:00.

Norge 2 door refrig. frost free; Quasar colored port. TV; Fedders 10,000 BTU window air cond.; elec. wall clock; furniture in walnut Vint., pine, cherry, oak Empire, curly maple, maple, mahg. etc. Walnut oval, deep walnut & other picture frames; brass & iron floor lights; Rohrer's liquor yardstick; crockery; 1,000 lb. iron safe (T. Stiffed & Co., Lanc.); articles in brass, tin, wood & iron. Tree of Life china dinner set (8); glassware & china in German, pressed, copper lustre; cut, Heisey, vaseline, Nippon, Noritake, ironstone, Chinese, flint, mach. etched, sandwich etc. H.E. Shunent doll; Hummel Heavenly Angel. Kitchen articles; bedding & linens; costume jewelry; wheel barrows; grind stone; step ladders; hand, stop & garden tools; misc. hardware & other articles not listed. NO OUT OF STATE CHECKS ACCEPTED. Food served.

Sale by

HELEN H. WERTZ ESTATE

Carl A. Wiker Atty.

Howard Shaub Auctioneer 464-3541 and Roy C. Probst

Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw & Grain Sales
Every Wednesday
12:00 Noon

Farm Machinery
First and Third Wednesday
January thru November
starting at 9:00
With 6 Auctioneers

Tools and Hardware
Lawn & Garden Equipment
12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

DAVID H. GOOD & SONS
RD 1 Leola, PA 17540
717-656-9558

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT NOV. 14 - 9 A.M.
Public Sale of Real Estate,
Coins, Tools and
Household Goods.
Located at 755 E. Main St.
(along Rt. 322) Ephrata
Twp., PA. Alfred Wolf
Estate T. Glenn and
Timothy G. Horst, Auc-
tioneers

SAT NOV 14 - 2 P.M.
Public Sale of Real Estate
Located on Broad St. and
Rt. 74 in the Borough of
Delta, York Co., PA.
Richard and Mary M. Bar-
ninger, Owner Charles W.

and David W. Shrodes,
Auctioneers.

SAT NOV 14 - 10 A.M.
Public Sale of Shrub-
beries, Trees and Ferns
Located in Village of
Union Grove, 1 mi. east of
Terre Hill, Spring Grove
Nurseries Nevin Martin
and Lewis Groff, Auc-
tioneers

SAT NOV 14 - 9:30 A.M.
Public Sale of Antique and
Classic Car Collection,
Tools, Automotive Parts,
Equipment, Horse Drawn

Equipment, Household
Items and Antiques
Located along Old Get-
tysburg Pike adjacent to
U-Haul just off Rt. 15 at
Rossmoyne Exit Estate of
Robert E. Boshart Kerry
A. Pae, Auctioneers

SAT NOV 14 - Complete
liquidation of Happy Hill
Farms Located 2 miles
east of Delhi, NY on Rt.
28 Happy Hill Farms,
Owners Goodrich Auction
Service

SAT NOV 14 12 Noon
Public Sale of Cattle
Located 4 mi. east of
South Gibson and Rt. 92,
6 mi. from Rt. 706 at West
Clifford, 3 mi. north of Elk
Mt. Ski Tow, 6 mi. from Ex-
it 64, Lenox Exit of I-81.
Thomas and Lois Salan-
sky, Owners M.L. Bunnell
and Wayne Weaver, Auc-
tioneers

SAT NOV 14 9:30 A.M.
Auction for Mr. & Mrs.
John W. Arnold, including
5 acre feed mill property
offered in 2 parcels or en-
tirety, Household Items,
Antiques/collectibles,
vehicles and farm equip-
ment, furniture and ap-
pliances. Directions from
Rte. #322 at Thompson
town Exit, Turn North and
follow road approximately
6 miles to Cocolamus
John B. Niesley, Broker
Auctioneer

SAT NOV 14 9:30 A.M.
Public Sale of Trucks,
Tractors and Tools
Located on
Sergeantsville Rossemont
Rd., Sergeantsville, NJ
From Flemington take Rt.
523 south to Sergeant-
sville, turn right at traffic
light, follow auction ar-
rows to sale site. The
Estate of J. Frederick
Tomlinson Col. John P.
Kachmar C.A.I., Auc-
tioneer

MON NOV 16 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner

MON NOV 16 - 11 A.M.
Public Sale of Cattle
Located at the Frederick
Fairgrounds, Frederick,
Maryland. Marlin Hoff,
Owner Remsburg Sale
Service

WED NOV 18 - 9 A.M.
Consignment Sale by
David H. Good located ½
mile North of Route 23 on
North Maple Ave. in
Leola, Lancaster Co., Pa.
Watch for sale signs. F.
Snyder, R. Martin, C.
Wolgemuth, J. Fry and L.
Horst, Auctioneer

WED NOV 18 - 12 Noon
Public Sale of Real Estate,
Farm Equipment, Hog
Equipment, Hay and
Straw Located along Fur-
niss Rd., RD 2, Drumore,
Drumore Twp., Lancaster
Co., PA Take Rt. 272
south of Buck At
Tanglewood Golf Course
Sign turn right onto Silver
Spring Rd. Go about 4 mi.
to Furniss Rd. and turn
right to sale. Sale by Mr.
and Mrs. Wilbur C. Huss
Howard Shaub and Roy C.
Probst, Auctioneers

WED NOV 18 - 9:30 A.M.
Public Sale of Inventory
Located at 1525 West
Henrietta Rd., Avon, NY
(Rt. 15), just north of the
intersection of Rts. 5 and
20 on Rt. 15 Avon, NY 20
mi. straight south of
Rochester off Rt. 390
expressway Avon Ford
Tractor Inc. GJS Coyne,
Auctioneer

WED NOV 18 - 11 A.M.
Public Sale of Valuable
Real Estate Located at
Silver King Ranch, U.S.
Rt. #40 east of Perryville,
Cecil County, MD Estate
of Rodeo Earl Smith
Hunter's Sale Barn, Inc.,
Auctioneers

WED NOV 18 - 10 A.M.
Public Sale of Antiques
and Collectibles Located
at Lykens Valley "Shop
and Play Hall", Route
209, Lykens, PA Lee D.
Dockey, Auctioneer

THURS NOV 19 Mon-
thly Cow Sale at the
Melvin Kolb, Inc. Sales
Barn, 11342
Cragerstown, Rd.,
Woodsboro, Md. 21798
Thomas Miller, Sales
Manager, Robert Mullen-
dore, Auctioneer

PUBLIC SALE

SATURDAY, NOVEMBER 21
9:30 A.M.

Located ½ mile East of Mifflinburg
along Route 45 in Union County.

Farm Machinery

I.H. 656 Diesel with Fast Hitch and wide
Front end, I.H. 504 Gas Utility with 2001
Loader, I.H. 200 with Fast Hitch and
Cultivators, Allis Chalmers D14 with Loader
and 60 inch bucket, New Holland Silage Blower,
Gehl High Throw Silage Blower, New Idea 311 2
row corn picker, I.H. No. 55 Forage Harvester
with Pickup and corn head in good condition,
Brady Tank Spreader, Farmec 28 foot
Elevator, New Idea manure spreader 3 beater,
I.H. No. 1050 grinder mixer, I.H. 2 point hitch 4
bottom plow, I.H. 10 foot disk, I.H. 400 planter
with liquid fertilizer tanks and monitor, 2 point
scraper blade, 2 wheel Trailer, 16 foot bale
wagon, 2 row stalk cutter, 2-300 gallon fuel tank
with hand pump, 2 wheel portable cattle chute,
portable air compressor, 3 section harrow,
hand fired furnace, Tractor chains for 14-9-28, 6
inch auger 30 feet long to p.t.o. drive, portable
cement mixer, spike tooth harrow, American
grain dryer 3 phase with 140 by capacity, 12-25
foot light tow chains, truck chains for 1000+20
tires, Tractor chains for 16+30 tires, acetylene
welding outfit, tanks and cart, pot belly stove, 2
wheel barrows, bucher bench, harness cup-
board, electric fence, fence wire, large
watering trough, door and window screens,
heavy doors, cattle gate, oil drums with pumps
and oil, 2 blacksmith vices, electric fence posts,
2 heavy steel saw horses, and other
miscellaneous items.

Trucks

I.H. 1968 Liquid Fertilizer Truck with 1650
gallon tank 3 compartments.

Ford 1972 Dump with midwest 12 foot grain
box.

Great Dane 6000 gallon tank trailer with 3
compartments.

I.H. 1968 cattle truck with 10 foot bed in real
good condition.

Hay and straw, 3,000 bails of each.

NOTE: Reason of Sale Leased Farm has
been sold.

Terms: Cash.

Lunch Stand

Owner

LARRY YARGER

837-3443

Auctioneer

Ken Smith, 837-3535

Owner and Auctioneer not Responsible for
any accident.

PUBLIC SALE

Having sold farms and discontinuing
farming, will sell located 4 miles north of
Hagerstown, Md. on Rt. 60 to Leiter-
sburg, east ½ mile to Grove Road, right
¼ mile (watch for signs).

SATURDAY, NOVEMBER 21
AT 11:00 A.M.
85 HEAD OF REG.
& GRADE ANGUS CATTLE 85

Consisting of 12 reg. stock cows; 20 grade
second calf stock cows, 16 grade heifers, 2
years old, 8 steers approx. 800 lbs.; 16 heifers &
12 steers, 1 year or younger; Reg. herd sire
"Sir William Wrangler". Bangs & T.B. tested
within 30 days of sale.

Three Tractors and
Modern Farm Machinery

Int. 666 diesel tractor, W.F., P.S., Torque
Amplifier, 920 hrs., Minn. Moline Jetstar 3 gas
tractor, 53 h.p., W.F., P.S., selling with M.M.
heavy duty loader and 2 buckets, Case 300
diesel, W.F., 3 pt.; Int. #450 3-16 automatic
reset plow; Athen 11' heavy duty transport
disc; Int. 9A disc; 24 tooth frame harrow; Int.
#55 chisel plow, 11'; Woods Cadet 72 rotary
mower; J.D. #9 3 pt. 7 ft. mower; New Holland
#479 haybine; New Holland roll-a-bar rake;
another for parts; New Holland #850 round
baler; J.D. 14T baler with thrower; N.H.
Smoker 24 ft. elevator; 2 rubber tire wagons
with hay sides; rubber tire flat bed wagon;
N.H. #80 3 pt. round bale mover; Fountain 3 pt.
large bale mover; New Idea #215 P.T.O.
manure spreader, less than 1 year; Int. #56
four-row corn planter with fertilizer & in-
secticide boxes, planted 20 acres; Massey
Ferguson #33 13-7 disc grain drill; Rhino 6"
scraper blade; 2-wheel farm trailer; Heddon
scale & squeeze chute with 3 pt.; Danhauser 3
pt. post hole digger; Cyclone tractor seeder;
tractor weights; 2 metal round bale feeders;
mineral feeder; 36' extension ladder; Lincoln
100 amp welder. (Not many small items.)

FEED

Approx. 100 large round bales of mostly
alfalfa with little orchard grass

Approx. 800 bales of Oatstage with some
alfalfa.

Approx. 1200 bales of alfalfa with some or-
chard grass.

Approx. 500 bales of mixed hay.

Approx. 350 bales of straw.

NOTE: Most of the above machinery is in
excellent condition, with much of it in like new
condition.

BREESE M. DICKINSON

TERMS: Cash. Not responsible for ac-
cidents.

AUCT.: ROBERT C. MULLENDORE

CLERK: C.L. METZ

Lunch Rights Reserved

PUBLIC SALE

From I 81 at Inwood, W. Va., Take Route
51 East - Travel 3 1/2 miles to Larry's
Market (formerly Hanes') Turn right -- 2
of a mile to sale -- OR -- From Charles
Town, W. Va. Take Route 51 West - Go
approximately 8 miles to Larry's Market -
Turn left - 2 of a mile to sale.

THURSDAY, NOVEMBER 26

At 9:30 a.m.

APPROXIMATELY 20 - 25 TRACTORS -
Including Cubs, Fords, John Deere, In-
ternationals, Fergusons, and many other
makes, ALSO - We will be offering a good
selection of plows, cultivators, wagons, new
and used rotary cutters, post hole diggers, new
and used discs, wood saw, rakes, baler, grain
elevator, corn pickers and many other farm
related articles.

We will also be offered a good selection of
NEW AND USED TOOLS - Including car-
penter tools, hand and electric tools, socket
sets of various sets, plumbers tools, and other
hand and electric tools.

We will also be offering some household ar-
ticles and some antiques.

TERMS: CASH. NOTHING TO BE REMOVED
UNTIL SETTLED FOR.

SALE MGR.

EDGAR A. BOHRER

304-229-8354

AUCTIONEERS:

JONES, MILLER AND BOHRER

CLERKS:

Ware, Bohrer and Bohrer

NOTE: THIS IS A CONSIGNMENT SALE. If
you have surplus farm items, tools, household
articles, let us turn them into CASH. If you are
considering having an auction, please contact
us. We would appreciate the opportunity to
conduct your sale.

NOT RESPONSIBLE FOR ACCIDENTS ON

PREMISES

LUNCH RIGHTS RESERVED

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

THURS NOV 19 Public Auction of Full Line of Farm Equipment Take Rt 272 North from Ephrata to Schoeneck Road, take Schoeneck Road to Schoeneck, turn right at Fire Hall to first farm on right Sale by John M and Lena H Nolt, John E and Paul E Martin, Auctioneers

THURS NOV. 19 Public Sale of Real Estate, 50 acre farm, dairy herd, 53 head Holsteins, Dairy Equipment, Hay and Straw Seebold Bros Owners, Freeburg, Snyder Co. Glick and Kling Auctioneers

THURS NOV 19 1 P.M. Public Sale of Cattle Located at Rusjacs Farm, 3 1/2 mi east of Maplehurst, (use Exit 28 off Rt 17 at Cuba OR Exit 29 at Maplehurst), 1 1/2 mi west of Cuba, on Rt 446 Russ and Joan Giesey, Owners William Kent, Inc, Auctioneer

THURS NOV 19 10 A.M. Public Sale of Farm Equipment, Lumber and Misc Items Located south of York New Salem, York Co., beyond Ruttens Farm Store, turn left on Tunnel Hill Rd., follow Tunnel Hill Rd., 1 mi to lane on right Paul Lauer, Owner: Blaine N Rentzel, Auctioneer

THURS NOV 19 - 10 A.M. Public Sale of Equipment, Machinery, Trucks, Fork Lift, Autos and Tools Located at 1145 Lincoln Hwy, Coatesville, Chester Co, PA From Rt 30 By pass take Chester City Airport Exit, onto Bleeker Rd 1/2 mi to Linc Hwy (old Rt 30) turn left Mrs Chris D Stoltzfus Geyer Absolute Auction Co

FRI NOV 20 Landisburg, Perry Co, PA Annual Thanksgiving Dairy Cow Sale and Luncheon V Art Kling, Owner Glick Auct

FRI NOV 20 12:30 P.M. Public Sale of Cattle Located at 1015 Chaffee-Curriers Rd, Arcade, NY, off Rt 78, 5 mi north of Arcade, 5 mi east of Rt 16 at Chaffee, 30 mi south of Buffalo Mr and Mrs David Herrington, Owners Victor Kent and Sons, Auctioneers

FRI NOV 20 1:30 P.M. Public Sale of Pigs Located at the Westminster Livestock Auction 301 733 8120

FRI NOV 20 - 6:30 P.M. Consignment Sale of Cattle and Feeder Pigs Keister's Middleburg Auction Sales, Inc. Rt 522, 3 miles East of Middleburg, 5 miles West of Selin Grove, Pa Don and Walt Keister, Owners. Ray Long & Dave Imes Auctioneers

JUNIATA CO. PA. FARM & SMALL ACREAGE AT PUBLIC SALE SATURDAY, NOVEMBER 28

Located approx. 56 mi. west of Harrisburg.

FARM - Stone dwelling, exc. cond., bank barn, 41 ac. cleared Farm and adjoining 18 ac. offered separate and as one unit, total of 59 ac. 7 OTHER PARCELS - 3 to 19 ac., exc. for permanent home or weekend retreat, excellent hunting.

FOR BROCHURE CONTACT:
Long Bros., Aucts.
R.D. #2
Port Royal, Pa. 17082
Ph. 717-527-4784



WALTER FAMILY CLUB CALF SALE FRIDAY, NOVEMBER 27, 1981 7:30 P.M. Sharp

50 head of preconditioned & halter broken club calves. Consisting of Angus, Chianina, Simmental Limousin, Maine Anjou, Hereford and Charolais crosses.

We will be featuring young, black Chianina and Limousin crosses which will make super Farm Show prospects. We also have a dynamic set of black Simmental calves.

We are thoroughly impressed with the quality of the calves and are looking forward to presenting to you "Our best set of calves yet!"

Sale location: Shady Lane Dairy Sales, Quarryville.

Further Inquiries: Donald Walter
RD2 Airville, PA 17302
717-862-3366

Absolute Auction Equipment, Machinery, Trucks, Fork Lift, Autos, Tools

Thursday, November 19 - 10 AM For Mrs. Chris D. Stoltzfus, Stoltzfus Private Airport, 1145 Lincoln Hwy, Coatesville, Chester Co, Pa. From Rt 30 By-pass take Chester City Airport exit, onto Bleeker Rd. 1/2 mi. to Linc Hwy. (old Rt 30). Left to Auction Site.

Clark Y 20 Fork Lift, 2000 lb Cap., Pneu Tires TRUCKS. 64 Dodge Power Wg w/snow blade, '62 Chev w/20' Flat Bed, '58 Chev Cab & Frame AUTOS '70 & '71 Ply Fury II Sedans, '57 Chev Front End, (2) '63 Slant 6 Ply Engines, 6-cyl-eng 2 TRAILERS 1 & 2 Axle, 8 HP RIDER MOWER & Bagger Portable Air Compressor Portable Work Portable Heliarc Welder & Suppliers Portable Steam Jenny, Sheet Metal Shear, Floor Drill Press Bench Saw, Jointer Steel Equip., incl Work Stands & Benches, H D Work Carts, 1000 3000 Gal. Tanks, Storage Containers, Drums, Shelving & misc pcs 1000 lbs of Nuts & Bolts Good-Tools FARM MACHINERY 2 Bott Plow, Disc, Cultipacker, Seeder, Cornplanter, Ensilage Cutter Sickle Bar, 500 Bales Hay Used Lumber OFFICE EQUIP 3 Metal Desks & Chairs, 3 Fireproof File Cab, Plus many useful items of all types

TERMS. CASH. For Info/Complete Brochure Call.

Member—National Auctioneers Association

GEYER ABSOLUTE AUCTION COMPANY, INC
Kenneth A. Geyer, President
11 SOUTH TROOPER ROAD • MORRISTOWN, PA 17043
(215) 631-5333 (Pottstown 326-3868)
America's Foremost Absolute Auction Company

PUBLIC AUCTION

Fine Residence in Octorara Pines
21 Long Lane

1 1/2 miles south of Union, 1 miles North Octorara Lake, off Route #472 in Colerain Township.

TUESDAY, NOV. 24th
@ 2 P.M.
on the premises

Large lot 150x220, a 4 year old 2 story one family dwelling, aluminum siding & frame, with a great view of a development of fine homes. Full basement, Rheem all fired heating stove. First floor a flagstone reception hall, large living room, dining room, modern kitchen, family room with fireplace, laundry, powder room, 2 car garage. Second floor 4 spacious bedrooms and 2 tiled baths. Fully insulated, thermopane windows, artistically decorated and wall to wall carpeting!
Inspection Saturday, Nov. 14th from 2 P.M. to 4 P.M. or call (717) 392-4185 for appointment. Terms 10% down balance and possession 30 days.

Owners,
WRIGHT & ROHRBACH
Claude F. Smith, Auct.

PUBLIC SALE OF VALUABLE FARM, FARM MACHINERY AND ANTIQUE HOUSEHOLD GOODS SATURDAY, NOVEMBER 28

Sale at 10:00 A.M. Located in Guilford township, Franklin Co., Pa. 5 miles east of Chambersburg exit 6 of Interstate 81 turn south off U.S. route 30 at Fayetteville on to old route 997 or Mont Alto Rd. go 2 1/2 miles to New Guilford church turn north. Watch for sale signs.

MF 165 gas tractor wide front on good rubber; MF 35 tractor wide front heavy duty loader; 1936 Graham Bradley 6 cylinder tractor; JD 55 12 ft. self-propelled combine; NH 461 hay bine; Lot of other farm machinery.
At 1:00 PM will offer real estate. 120 acres more or less all undercultivation with road frontage. Good Duffield soil. Improved by 2 1/2 story frame weatherboard house, with aluminum siding. 9 rooms with 2 baths, 80 ft. two floor bank barn. 10x50 ft. concrete silo, block milk house. 30x42 ft. concrete floor wagon shed with 2 large corn cribs 45x90 ft. open front steel frame and siding implement shed. 25x50 ft. 3 story block chicken house. 2 car block garage. Drilled well, cistern and reservoir.
For inspection of real estate call 717-352-7778 after 5:30 P.M. or 717-328-3227. Terms of real estate 10% down other terms say of sale. Real Estate subject to prior sale.

Order of sale: household goods, tools and machinery
Lunch stand reserved
Estate of
MELVIN B. CAUFMAN
Edgar J. Stull Auctioneer
Richard K. Hoskinson Attorney

PUBLIC SALE

OF 46 ACRE FARM
Lancaster County, Pa. (Brownstown)
West Earl Township.
WED., NOV. 25, 1981
SALE TIME 2 P.M.

Located along E. Main St., Brownstown, Pa.

46 ACRES (More or Less)
Limestone Soil. Borders Conestoga Creek.
2 1/2 STORY FRAME DWELLING
Zoned Residential. 3 bedrooms & full bath on second floor. Large living room, large eat-in kitchen, dining room, family room, summer kitchen with fireplace.
Oil fired hot air heat. 1000' gal. buried tank. Never failing well or boro water. New drain-field.

BANK BARN — 60' x 100'
Steers or Pigs
3 STORY CHICKEN HOUSE 30' x 60'
20' x 32' 2-CAR GARAGE & WORK SHOP
This farm is ideally located in heart of Lancaster farm country. Situated next to village of Brownstown.
50' frontage on North Church St. and many feet frontage along E. Main St.
Easy access to Metropolitan areas, 1/4" mile from Rt. 222 & Rt. 772 (Brownstown) interchange.
Open House — Sat., Nov. 14 & Sat., Nov. 21 from 12 noon to 4 p.m. or for information or inspection 665-6040.

Terms By:
ELLA-BUCH-WEIDLER ESTATE
Allen W. Buch,
Miriam V. Good,
Executors
T. Glenn Horst, Auct.
Timothy G. Horst, Auct.
859-1331
Eaby & Eaby, Atty.

COLDSPRINGS FARM PRODUCTION SALE

Sale to be held at the Frederick Fairgrounds — Frederick, Maryland.
MONDAY, NOVEMBER 16
11:00 A.M.

80 REGISTERED HOLSTEINS 80
50 Head Selling Fresh or Close
25 are first-calf Heifers just fresh
5 Service Age Bulls
1 EX and 17 Very Good and Good Plus Cows Sell

MILK — MILK — MILK — MILK
4 sell with records from 23,000 to 25,770M
10 sell with records from 20,000 to 23,310M
12 sell with records from 18,000 to 20,000M
15 sell with records from 700F to 924F
The 25 first-calf heifers are from dams with records to 28,140M and 1135F. They are sired by Conductor, Wayne, Jet Stream, Jemini, Jerry, Marshfield Elevation Tony, Glendell and other popular A.I. sires.

Featuring
Bonnyside Glendell Lady — EX
Milking over 100 lbs. a day
3-10 365 22,310 799

5 Service Age Bulls Sell:
Marshfield Elevation Tony son from EX Ivanhoe Star dtr. with 31,540M and 1039F.
Glendell son from dam with 25,310M
S-W-D Valiant out of an EX Starlight dtr.
Kingpin from an EX Kinglea Total
Coldsprings Fonz from an EX dam
Catalogs Available
Tested for Interstate Shipment
Free lunch being provided starting at 11:00 A.M.

Auctioneer's Note — This sale offers as much milk as any sale we have had the privilege of selling. If you need milk to increase your base, we suggest you take advantage of this rare opportunity.

Owner
MARLIN HOFF
Coldsprings Farm
New Windsor, Md. 21776
Ph. 301-775-7670

Sale Manager
REMSBURG SALE SERVICE
P.O. Box 177
Jefferson, Md. 21755
Ph. 301-473-8214

REAL ESTATE & DAIRY-HERD DISPERSAL THURSDAY, NOVEMBER 19 11:30 A.M.

Located 5 miles West of Selinsgrove, Pa., on Route 32, on the west end of the Village of Freeburg.

REAL ESTATE

To be offered at 12:30 P.M.

50 Acre Farm on the outskirts of Freeburg; 40 Acres of good Farmland, 10 Acres of Woodland; Bank Barn and 10 x 30 silo. Good Stream flows through property. Recorded in Deed Book 92, pg. 173 & Deed Book 79, Pg. 251, Snyder Co.

Terms: \$10,000 Down day of Sale, Balance within 30 days.

DAIRY HERD

Consisting of 53 Head of Grade Holsteins; 41 Mature Cows, 3 Bred Heifers, Bal. Open Heifers. Several Bred for Fall, Balance in all stages of Lactation.

Certified & Accredited; Pregnancy Ck'd; A-1 Bred; Good Milky Cattle!

DAIRY EQUIPMENT, HAY, STRAW

Surge Unit, S.S. Pails; Feed Carts, Barn Fan; Usual Dairy Equipment; 20 Milk Cans; 400 Gal. Girtan Bulk Tank; 28 Comfort Stalls still in Barn; 3 Delaval Magnetic Milker Units; Surge Alamo Pump with extra motor. Approx. 4000 Bales of Mixed Hay; 1500 Bales of Oats Straw. Sale Order: Hay & Straw, Dairy Equip. 11:30. Real Estate 12:30; Dairy Herd 1:00.

Owners,

SEEBOLD BROS.

Freeburg, Pa.

Mark Glick & Art Kling,
Auctioneers

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

FRI. NOV 20 - 5:30 P.M. Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI NOV 20 - 6:30 P.M. Public Sale of Angus Located at the Frederick Fairgrounds Maryland



PUBLIC AUCTION OF FARM EQUIPMENT

THURS., NOVEMBER 19, 1981
At 11:30 A.M.

Location: Take Route 272 North from Ephrata to Schoeneck Road, turn left onto Schoeneck Road to town of Schoeneck, in Schoeneck turn right onto Steinmetz Road to 2nd Farm on right. West Cocalico Township, Lancaster County, Pa.

Massey Ferguson 265 Diesel

with 2300 hours, W.F.E.; Multi-power, power wheels

Massey Ferguson 65

Massey Harris 44

NEW HOLLAND 353 GRINDER MIXER with 2 10-ft. Sections Discharge Augers, like new; NEW HOLLAND 467 HAYBINE; GEHL 600 HARVESTER with 2 year old 1-Row Low Profile Head and Screen; NEW HOLLAND 275 BALEER with Model 53A Thrower; NEW IDEA 323 1-ROW CORNPICKER in excellent condition; INTERNATIONAL 450 3x16 AUTOMATIC RESET PLOW; New Holland 800 Harvester with 1-Row Corn Head; 2 New Holland No. 331 P.T.O. Manure Spreaders with Beaters and Silage Sides; WINPOWER 20 KW GENERATOR on Trailer PTO driven; New Idea No. 213 Triple Beater Webb Spreader; New Idea No. 207 Manure Spreader; Sauder FHV 20 Hydraulic Dump Loader with Ground Bucket and Snow Bucket; International No. 33 Hay Crusher; Massey Ferguson No. 32 3-pt. Mower; Massey Ferguson No. 220 3-pt. 2-Row Cultivator; Massey Ferguson No. 66 2x16 Trip Plow; 2 16-ft. Flatbed Wagons with Hay Racks and Corn Racks with False Endgates; 2 Flatbed Wagons with Hay Racks; Sam Mulkey 30-ft. Elevator with Corn Drag; LITTLE GIANT CORN DRAY like new; John Deere AW Disc Harrow on Transport; John Deere Offset Disc Harrow; Massey Ferguson 39 2-Row Cornplanter with Insecticide App.; Brillion 9-ft. Cultipacker with 4 inch Axle; McCormick 13x7 Grain Drill; PTO Dump Trailer; Gehl 72 Flail Chopper; Massey Harris 3-point 6-Bar Side Rake; Massey Ferguson 3-point Rotary Hoe, Wagon Gear; 3 Section Spring Harrow; 13-ft. Land Drag; 3-point Box; P.T.O. Seeder; 2 Green Chop Feeding Wagons; Portable Cattle Loading Chute; 16-ft. Little Giant Skeleton Elevator; Heat Houser for M.F. 165.

5 TON ALFALFA HAY SECOND CUTTING
6 TON ALFALFA HAY FIRST CUTTING
5 TON MIXED HAY - 8 TON WHEAT STRAW

Dairy Equipment

Kesco Milk Mover complete with Dumping Station; Surge Alamo 60 plus Vacuum Pump used 2 seasons; 3 40-lb. Surge Milker Units; 1 50 lb. Surge Milk Unit; Strainer; S.S. Tubs; Drying Rack; Electric Pulsation Unit; Flygon 200 Fly Killer.

1958 Ford Pickup Truck

with Automatic Transmission; Handy 680 Power Washer; Platform Scales; Remington SLA Chain Saw; Tractor Chains for MF 265 and 65; Wheelbarrow; 3 Feed Carts; 2 Fans with Motors; Hydraulic Cylinder; Log Chains; Scrap Iron; Jacks; 1/2" Drive Socket Set; Portable Air Tank; Air Grease Gun; Wheel Pullers; Misc. Farm Tools and Parts; Mower Guard Tool; Used Tractor Tires; Ladders; Treated Posts; Farm Gates; 1 Hole Corn Sheller; Wood Spoke Wheels; Unloading Winch; Potato Plow; Coal and Wood Stove; Electric Fencers; Tarps; Pickup Racks; Cast Iron Water Trough; Feed Chest; Forks; Shovels; Brooms; Maytag Wringer Washer; Black Plastic; 2 New Aluminum Shovels; and many other items.

Auction by
JOHN M. & LENA H. NOLT
R.D. #1, Stevens, Pa.
215-267-6997

Auction Conducted by
John E. & Paul E. Martin
Auctioneers
717-733-3511 - 717-733-3305
Ephrata, Pa.

Food Stand by the
Lebanon Valley Christian Day School

Lancaster Farming, Saturday, November 14, 1981-D35

Angus Association Dr
Lee E Miller
301-898-7274 or
301-898-5691

FRI. NOV 20 - 11:30 A.M.
Public Sale of Cattle,
Machinery, Barn and Milk-
ing Equipment Location
Use Rt 220 to Ulster,
turn at blinker light to
Bridge St, cross bridge,
turn right, then take first
blacktop road on the
right, turn, then go 1 mi
to the farm Ulster is on

Rt 220 and is 13 mi
south of Rt 17 exit at
Waverly, NY, 9 mi south
of Athens, PA and 7 mi
north of Towanda, PA
Robert Fassett Dispersal
Mel Manasse, Auct

SAT NOV 21 - 6:30 P.M.
Danville Livestock
Market, horse sale
located Old Route 11,
Danville, PA Melvin M
Lehman, owner

SAT NOV 21 - 10 A.M.

Public Sale of Farm Equip-
ment, Household Goods,
Antiques and Guns
Located along 322 3 miles
east of Ephrata Marvin L
and Susie L Habeger,
Owners Lamar Z
Sensenig and Paul W
Horst, Auctioneer

SAT NOV 21 - 2 P.M.
Public Sale of Real Estate
(Fire Hall) Located along
Church St in the Village
of Bowmansville, Lanc
Co, PA Bowmansville
Fire Co Leroy S Horst
and Glenn E Fulmer, Auc
tioneers

SAT NOV 21 11:30 A.M.
Public Sale of Tractors
and Farm Equipment
Located from Cross Keys,
along Rt 30, take Rt 94
South 2/10 mile, first farm
on right E Ray and Linda
L Cornett, Owners Dennis
J Plunkert, Auctioneer

SAT NOV 21 - 9 A.M.
Public Sale of Antiques
Located at the Kauffmans
Ruritan Building, 3 miles
north of Greencastle,
Franklin Co, PA along the
Brown's Mill Road 8 miles
south of Chambersburg,
on Route 11 turn east 1
mile at Cross Roads Dairy
sign On 81 exit 3 miles
north of Allison Street J
Robert Meyers, Auc-
tioneer

SAT NOV 21 - 11 A.M.
Public Sale of Real Estate
and Household Items
Located at Bloomsburg
RD 5 off Route 11 North
of Bloomsburg, turn at
Deihl's Discount Centre
Twp, Columbia County
Edward Folk, Seller John
and John Jr Autolore,
Auctioneers

SAT NOV 21 - 10 A.M.
Liquidation Sale Located
at Nazz Mariani Co., on Rt 1
in Media, PA Vilsmeier
Auction Co

SAT NOV 21 9:30 A.M.
Public Sale of Farm
Machinery Located 1/2 mi
east of Mifflinburg along
Rt 45 in Union County
Larry Yarger, Owner Ken
Smith, Auctioneer

SAT NOV 21 10 A.M.
Public Sale of Antiques,
Glassware, China, Silver,
Jewelry and Collectibles
Located 2 mi south of
Mountville off Rt 462 on
Central Manor Rd at Herr
Fruit Farm (Old Sales
Barn) H Edward
Johnson, Auctioneer

SAT NOV 21 11 A.M.
Public Sale of 85 head of
Reg and Grade Angus
Cattle, Three Tractors
and Modern Farm
Machinery, Feed Having
sold farms and disconti-
nuing farming, will sell
located 4 miles north of
Hagerstown, Md on Rt
60 to Leitersburg, east 1/2
mile to Grove Road right
1/4 mile (watch for signs)
Sale by Breese M Dickin-
son, Robert C Mullen-
dore, Auctioneer

PUBLIC AUCTION TRACTORS - FARM EQUIPMENT SATURDAY, NOVEMBER 21, 1981 At 11:30 A.M.

Located from Cross Keys, along Route 30, take Route 94 South 2 tenth mile, first farm on right. Due to having sold their farm, the undersigned owners, will offer the following.

Massey Ferguson 1080 Diesel tractor WFE with 18.4-34 rear tires, 3 pt., Independent PTO and power space wheels; Massey Ferguson 180 diesel tractor w/multi-power, cab, 3 pt. live PTO, power space wheels; M.F. 2135 Industrial gas tractor with Schwartz Model 300 loader; M.F. model 300 combine w/2 row corn head and 10 ft. grain head; M.F. Model 33-15X7 grain drill (like new); M.F. 9 ft. model 129 chisel plow w/extra sections to make 13 ft. wide; M.F. model 246 heavy duty loader for 80 HP plus tractor; N.H. model 519 PTO spreader (like new); N.H. super 23 silage blower w/30 ft. pipe; N.H. 717 single row harvester; M.F. model 81 9 ft. haybine; Allis Chalmers model 444 baler; M.F. model 82 3 pt. 4x16 plow; New Idea 3 pt. PTO hay rake; J.D. 494A corn planter with disc fert. openers; Papec Model 880 PTO grinder-mixer; Case 40 transport disk; Oliver 16 ft. fold wing harrow; Brillion 11 ft. cultipacker; Century 200 gal. fiber glass trail sprayer; Brady 6.5 ft. PTO flail chopper; 2-model 300 Kilbros bin wagons; Grove chuck wagon; Grove 16 ft. bale wagon; 14 ft. flatbed wagon; Huskee model T-6 running gear; 24 ft. Smoker elevator w/1 HP electric motor and corn chute; 3 pt. subsoiler; 48 ft. 6 inch PTO grain auger; Woods C-80 3 pt. rotary mower; Ford F-600 grain truck w/14 ft. bed and hoist; 2-4 ton Smidley cattle feeders; 2-ton liquid supplement lick tank; 2-10 hole round hog feeders w/cast iron bottoms; several 2-4 hole hog feeders; galv. water trough; approx. 50-4 inch creosote fence posts; barbed wire; rubber tire feed cart; rubber tire wheelbarrow; 16 ft. pipe fence panels; 2 metal stock gates; small air compressor; home made hydraulic dump trailer; 265 gal. fuel tank w/hand pump.

Auctioneer note: Please be prompt due to no small items in sale.

Terms: Cash or approved check.

E. RAY & LINDA L. CORNETT

R.D. 3 Box 365
New Oxford, Pa. 17350
717-624-2189

Dennis J. Plunkert, Auct.

R.D. 2 Littlestown, Pa. 17340

P D MEADOWS Milking Herd Dispersal FRIDAY, NOVEMBER 20 at 12:30 AM

Location-1015 Chaffee-Curriers Road, Arcade, NY, off Rt 78 5 mi. north of Arcade, 5 mi. east of Rt. 16 at Chaffee, 30 mi. south of Buffalo.

50 Registered Holsteins - Classified and rolling herd Avg 18,378 m 3 6 t 669 f Nice to look at: Lots of Production!! A herd mostly of young animals bred to popular sires such as valiant, Elevation Pete, Bell, Sexation, Plushanskis Persuader, Balis Bossman, Hazer ET, Apache, Canadian Red, and Sweethaven Tradition Sample of animals selling include Carla GP with 7 yr rec of 21,437 m 722 f, EX dau of Zehr Dairy Astro Telstar with 6 yr rec 22,916 m 721 f and had been show to Res Gr Champ Aged Cow Class Wyoming Co B&W Show, VG 88 due to Valiant by Sale, VG Elevation dau with 2y rec of 20,647 m 698 f, index of +1059, 3y Earl dau with 21,506 m 686 f, index of +906, just fresh by sale, Willow dau with 22,000 m 767 f, Another Elevation dau with 2 y rec of 15,388 m 4 5 t 689 f and due in Dec. GP+ Polaris dau with 20,350 m 799f, Simpsons Apostle dau fresh in Sept with 3 y rec 18,360 m 4 0 t 729 f, Above is just a sample of what we are selling to help you improve your herd, come take your pick Will be pregnancy checked, interstate tested, necessary shots prior to sale Open house evening before sale Lunch available

Terms- Cash or Good one way check day of sale

Owners

MR. & MRS. DAVID HERRINGTON
Arcade, NY
Ph. 716-457-3475

SALE MGR.-AUCTIONEERS
Victor Kent & Sons,
Cuba, NY Ph. 716-968-1944

PUBLIC SALE

HOLSTEIN HEIFERS & FARM MACHINERY

Located 3 miles north of Waynesboro, 11 miles south of Chambersburg off Route 316 near Five Forks, Franklin County, Pa.

FRIDAY, NOVEMBER 27

Sale at 8:00 a.m.

HEIFER SALE

50 head of grade holstein heifers, 20 bred, some close springers, balance 9 months to breeding age. Individual health charts furnished.

FARM MACHINERY SALE

1972 Chev. 3/4 ton pickup with 16,000 miles on overhaul; '72 White dump truck with rebuilt 230 Cummins diesel engine and road ranger transmission; Case 1830 Uni. loader 200 hrs.; Trojan 304-4 wheel drive pay loader, 3 yd. scoop; MF 180 diesel tractor with wide front; MF 65 row crop gas tractor, overhauled; MF 65 gas utility tractor; NI Uni-System 702 diesel tractor 2500 hrs.; 710 combine with 13 ft. grain head, and 3 row narrow stripper head; 760 chopper with 2 R. wide and 3 R. narrow heads; 2-NH #8 Crop carrier silage wagons with 3 beaters and roofs 10T chassis; MF 260 chopper with 3 R head; White 5400 Plantaire planter 6-30 in. row with liquid fertilizer and herbicide used 2 seasons; NH 278 baler; 2-NH 850 round balers - 1 excellent; NH 469 haybine; NH 24 table silo blower with pipe; NH 790. Manure spreader with tail gate; NI 165 bu. spreader with new net; 9 T tri-axle Haulette Fayette trailer; 48 ft. Mayrath 6 in. transport grain auger; 16 ft. Utility elevator; King Wyse corn drag; J.D. 13-7 grain drill; Brady flail chopper; new wagon chassis with 18 ft. flat; wagon chassis; 8 T McCurdy wagon with Kill Bros. 300 gravity bin; Lely 3 pt. fertilizer spreader; Kelly 500 loader; IH mower; 22 tooth drag harrow; box for pickup to haul cattle; MH 30 tractor for parts; Echo 20 in bar chain saw; McCulloch 310 power mac- 16 in. bar; 1100 gal. poly fertilizer tank; new 300 gallon poly sprayer tank; 2-6 in by 10 ft. grain augers; 2 grain Aerators; large shop heater; Reddy heater; air compressor; Jenny hi-pressure washer; electric motors; 8 calf hutches; 10:00 x 20 truck tires; 8-14.5 low boy tires; mineral feeder; 20 and 24 ft. center fill silo goose necks; angle iron and flat steel; 8-35 ft. creosote poles; barn logs; log chain; new and used chain binders; 2 new cable jacks; AC garden tiller; Ariens 6 HP riding mower; misc. shop tools; new implement parts; wooden doors; porch posts. Also other articles too numerous to mention.

Approximately 2000 bales of hay (some top quality alfalfa); 1500 square bales of straw; 20 round bales of straw.

DANIEL R. & ESTHER C. PETRE

Auctioneer: Edgar J. Stull
Clerks: Martin and Martin

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

MON NOV 23 2 P.M.
Danville Livestock
Market, cattle and hog
auction. Located Old
Route 11, Danville, PA.
Melvin M. Lehman,
owner.

MON NOV 23 5 P.M.
Public Sale of Antique
Furniture, Hummels, Col-
lector Plates, Collectibles
and Sterling Silver Items
Located at the Bricker
ville Fire Hall, just off Rt.
322 (Between Ephrata
and Hershey) Bricker
ville, PA. Terms by J.
George Hornberger and
Dorothy E. Hornberger.
Glenn Horst and Timothy
G. Horst, Auctioneers.

TUES NOV 24 2 P.M.
Public Sale of Valuable
Real Estate Located at
211 East York Street,
Biglerville, PA. William D.
Wentzel, Owner. C. David
Redding, Auctioneer.

TUES NOV 24 5:30
P.M. Farmersville Auc-
tion. In Farmersville, 3 mi
East of Brownstown, Lan-
caster County, Pa. John J.
Rutt, Auctioneer.

TUES NOV 24 2 P.M.
Public Sale of Real Estate
Located 1 1/2 miles south of
Union, 1 mile north of Oc-
torara Lake off Rt. 472 in
Colerain Twp. Wright and
Rohrbach, Owners.
Claude F. Smith, Auc-
tioneers.

TUES NOV 24 11 A.M.
Public Sale of Farm Equip-
ment, Cattle and Sheep
Located midway between
Oley and Pleasantville,
turn south onto Snyder
Rd. to 1st farm on right,
Berks Co., PA. Marvin W.
Waid Ralph W. Zet-
temeyer Auction Co., Inc.

THURS NOV 26 9:30
A.M. Public Sale of Real
Estate and Personal Pro-
perty Located 1 mi south
of Freysville, toward
Windsor, along the Wind-
sor and Freysville Rd.

THURS NOV 26 10 A.M.
Public Sale of Antiques,
Collectibles and
Household Items Located
on Railroad Street,
Millersburg (Lenkerville),
PA. Mark Heiser, Owner.
Dockey and Dockey, Auc-
tioneers.

THURS NOV 26 9:30
A.M. Public Sale of Trac-

Perry Young Estate
Blaine N. Rentzel, Auc-
tioneer.

THURS NOV 26 9:30
A.M. Public Sale of Real
Estate and Personal Pro-
perty Located 1 mi south
of Freysville toward
Windsor, along the Wind-
sor and Freysville Rd.
Perry Young Estate
Blaine N. Rentzel, Auc-
tioneer.

THURS NOV 26 10 A.M.
Public Sale of Antiques,
Collectibles and
Household Items Located
on Railroad Street,
Millersburg (Lenkerville),
PA. Mark Heiser, Owner.
Dockey and Dockey, Auc-
tioneers.

THURS NOV 26 9:30
A.M. Public Sale of Trac-

tors and New and Used
Tools Location From 181
at Inwood, WV, take Rt.
51 east travel 3 1/2 mi to
Larry's Market (formerly
Haines') Turn right, 2 mi
to sale or From Charles
Loan, WV, take Rt. 51
west, go approx 8 mi to
Larry's Market, turn left,
2 mi to sale. Jones,
Miller and Bohrer, Auc-
tioneers.

THURS NOV 26 and
SAT NOV 28 9 A.M.
Public Sale of Shop Equip-
ment, Tools, Roto tiller,
Snowblower, Mulcher,
Oriental Rugs, Guns,
Knives, Middle and Far
East Items and Household
Antiques Located 12 mi
north of Gettysburg, PA.

along Rt. 34 in the Village
of Gardners, Adams Co.,
PA. Harry R. Miller Jr.,
Owner. Clair
Slaybaugh, Auctioneer.

SAT FEB 27 9 A.M.
Public Sale of Farm
Machinery, Livestock, An-
tiques and Household
Goods Strasburg Fire Co.
8th Annual Public Sale
Sale managed by Elvin
Seigrist and Alvin Miller
and local auctioneers.

FRI NOV 27 11 A.M.
Public Sale of Farm
Machinery Located 5 mi
south of Hanover along
Baltimore Pike Mr. and
Mrs. James Horak,
Owners. Blaine N. Ren-
zel, Auctioneer.

PUBLIC SALE

OF PRODUCE & CANTALOUPE
FARMING EQUIPMENT, HOUSEHOLD
GOODS, GUNS & ANTIQUES
SATURDAY, NOVEMBER 21
9:30 A.M.

Located along Rt. 322, 4 miles east of
Ephrata, Lanc. Co., Penna.

Farm Equipment

John Deere 40 Tractor (W.F.E.) with 3 point;
Ferguson 35 Tractor with Roll Bar, 3 point, 4-
Way Highway Flashers, and New Rear Rub-
ber; 3 pt. Holland Spade Pot Planter, plants
through plastic; 3 pt. Mechanical Vegetable
and Strawberry Planter; 3 pt. Plastic Mulch
Layer; 200 gal., Central Tractor Field or Tree
Sprayer; 3 pt. 2 Bottom 14 in. Trip Plow; 3 pt. 1
Bottom 16 in. Plow; 3 pt. 5 ft. Bush Hog Rotary
Mower; 3 Section Harrow; 3 Section Rotary
Hoe; 2 Row Oliver Corn Planter; Small
Cultipacker; 600 gal. Water Tank on Trailer; 2
Wheel Farm Trailer; 3 Flatbed Rubber Tire
Farm Wagons; 3 pt. Carrier Box; Livestock
Feeder Wagon; 3 pt. One Row Cultivator; 2
Sears 12 HP Tractors with 3 pt. Cultivators and
Mowers; 1 Sears 10 H.P. Tractor with 3 pt. and
Cultivators; Bush Hog 3 pt. Grader Blade;
Mighty Mac Sprayer; 150 gal. per min. Homelite
Water Pump; 220 Volt, 1 1/2 H.P. Submersible
Pump, like new; Large Shop Furnace;
Produce Roof 10'x13'; Lincoln 225 amp.
Electric Welder; Welding Table; Drill Press;
600 lb. Platform Scale; Echo Weed Eater;
Small Gilson Tiller; Car Roof Carrier; 220 Volt
Generator; Electric Sander; 275 gal. Oil Tank,
like new; Jig Saw; Battery Charger; Portable
Air Tank; 100 - 8 in. Concrete Blocks; 1775 lb.
Med Nut Coal; Cantaloupe, Tomato and
Strawberry Boxes for Shipping; Wire Bound
Cabbage Crates; Tongue and Groove Flooring
Boards and more Lumber; 50 Strawberry
Carriers; Plastic Pipe; Picnic Table;
Bicycles; 30 Bags Compost Mushroom Mulch,
and many more items.

1976 Chevy Silverado

20 Series Suburban, 4 Wheel Drive, Lock Out
Hubs; Automatic; Tinted Glass, Front and
Rear Air Conditioning, Low Mileage.

1979 Queen Owens

4,000 lb. Trailer with Racks

Household Goods

Frost-Free 25 cu. ft. Amana Avocado
Refrigerator; Revco Freezer; Beds, Spring
and Mattresses; Love Seat; Hide-a-Bed;
Sofas; Singer Model 503A Electric Sewing
Machine; Large Buffet; Estate Coal Heatrola;
Chairs; Stands; Porch Furniture; New Coffee
Maker; Juicer; Deep Fryer; Electric Pan;
Lamps; Musical Cuckoo Clock and more
Clocks; 3 Large Fire Extinguishers; Currier &
Ives Picture in Frame; Freezer Boxes, and
much more.

Antiques

Steam Engine Whistle; Metal Toy Truck;
1927 Book of Locomotives & Encyclopedia over
1300 pages & 3,000 pictures & illustrations;
Silver Certificate Dollar Bills; Silver Coins;
Wheat Pennies.

Guns

Winchester Model 88 Lever Action 308
Caliber; Remington Model 760 Game-Master
243 Caliber; Savage Model 24V. 3030 & 20 ga.
with Weaver 4 Power Scope; Weaver 2.5 High
Power Scope; Stevens 22 Single Shot Rifle; 22
Semi Automatic with Scope; 12 ga. Shot Gun
without Stock; Quartz Haligan Spot Light.

Terms by:

MARVIN L. & SUSIE L. HABEGGER

Auctioneers:

Lamar Z. Sensenig, 354-8116

Paul W. Horst, 445-5119

No out of State Checks will be accepted

Lunch stand proceeds will go to kidney
machine patient. Baked goods and food
donations accepted. Excess will be put up for
auction at end of sale.

Reason for selling: Moving out of state
Not Responsible for Accidents

PUBLIC SALE

OF REAL ESTATE
(20 Acre Farm)
FARM EQUIP., HOG EQUIP.
HAY & STRAW
WED., NOV. 18
at 12:00

Located along Furniss Road., R.D. #2,
Drumore, Drumore Twp., Lanc. Co., Pa.
Take Rt. 272 south of Buck. At
Tanglewood Golf Course Sign turn right
onto Silver Spring Rd. Go about 4 mi. to
Furniss Rd. & turn right to sale. Property
will be open for inspection Sat's., Oct. 31,
Nov. 7 & 14 from 10:00 until 12:00 noon.

Real Estate: 2 1/2 story frame house w/white
alum. siding, 10 rms. & full bath. Frame 70' by
50' bank barn w/dbl. barn floor, dbl. mows,
attached tractor shed w/corn crib, 8 finishing
hog pens. 2 Big Dutchman 5 ton storage bins
w/teed augers. 3 frame & 2 rnd. wire corn
cribs. 1 story cement block hog tiring house. 1 1/2
story cement block 3 car garage. Other bldgs.
not listed. Total of 20 acres of land w/approx 12
acres tillable grnd., 6 acres of pasture &
woodland. Real Estate to be sold at 12.00.

John Deere 1520 Gas w/37 loader; John
Deere 720D w/2 row corn planter; Badger 1,000
gal. liquid manure spreader; New Holland 352
grinder mixer; John Deere 480 haybine; New
Holland 34' elevator; John 14T baler; Brillion
transport spring harrow w/wings; flat bed hay
wagon; New Idea hayrake w/rubber tires; 9'
cultipacker. HOG EQUIPMENT: 9 new
farrowing crates w/raised decks, 16 used
farrowing crates, 12 LP gas brooders, 3 pt.
hitch hog head gate, tube type ventilation
system for building (new). NO OUT OF STATE
CHECKS ACCEPTED. Food served.

Sale by

MR. & MRS. WILBUR C. HUSS

Xakellis, Perezous

& Mongiovi Attys.

Howard Shaub Auctioneer 464-3541

and Roy C. Probst



PUBLIC AUCTION

OF VALUABLE REAL ESTATE
WEDNESDAY, NOVEMBER 18, 1981
At 11:00 A.M.

At Silver King Ranch, U.S. Route No.
40 East of Perryville, Cecil County,
Maryland.

ESTATE OF RODEO EARL SMITH

107 acres, more or less, of beautiful farm
land, Zoned R-1, with over 4,000' on U.S. Route
No. 40 East, and over 550' on Mill Creek Road,
and also with 2 lots on Old Route No. 7 in ad-
dition, 6.25 acres on West side of U.S. Route No.
40, with over 1800' on U.S. Route 40 North,
adjacent to "Wilson Ford".

BEAT INFLATION - BUY REAL ESTATE -
BEAUTIFUL HOME SITES - COMMERCIAL
POTENTIAL - BEAUTIFUL VIEW OF THE
CHESAPEAKE BAY.

This property will be offered in 7 separate
parcels first; then in combinations of parcels;
then in its entirety, subject to final and im-
mediate acceptances or rejections by Trustees
(with right to accept or reject any and all bids).
Percolation Approved. Minor Sub-division
Approved.

Title will be good and merchantable as
searched and certified by Chicago Title In-
surance Company.

Terms: Deposit of Cash, Certified, or Ap-
proved Check with Bank Reference on day of
Auction; not less than \$15,000.00 deposit on
entire acreage purchased, or \$5,000.00 deposit
on each parcel purchased. Taxes prorated -
Documentary stamps borne by Purchasers.
Settlement on or before 30 days from day of
sale.

Inspection Dates: On Wednesday, November
4th and on Wednesday, November 11th, from
12:00 Noon to 2:00 P.M. Or appointment
through offices of Auctioneer. Phone: 301-658-
6400 Plats available upon request.

Trustees for Estate of

RODEO EARL SMITH

Mr. Walter W. Wassmer

Mrs. Betty L. Buchanan

A. Freeborn Brown

Auctioned by:

HUNTER'S SALE BARN, INC.

Route 276

Rising Sun, Maryland 21911

Norman E. Hunter, Auctioneer

Phone: 301-658-6400

4th Annual Eastern Shore Equipment Dealer's Assn. Farm Equipment Sale AUCTION SALE

(The East Coast's Largest Annual Sale)
SATURDAY, DECEMBER 5, 1981
10:00 o'clock A.M. - U.S. 13 DRAGWAY, Delmar, Delaware
Tractors to be sold at 12 Noon.

The following are partial listings only. 50 tractors & 250 im-
plements expected.

Tractors: All of these tractors are offered with Buy and Drive.

Ford 9000, Ford 6000 D 19 A C diesel, 7020 JD 4WD, (2) 3010D JD, (2) 2020D
JD, 4010 JD gas, 2520 JD gas, 4520D JD, M1H, A1H w/cult 1H w/mower,
cub, 100 1H w/cult v. MF 165 4620 2020 JD 2010 gas, Int'l 856 diesel, Ford
860 5 speed, Ford 541 gas w/l row cult Int'l 806 diesel, KD452 forklift, Case
1210 diesel, Oliver 1750 diesel JD front end weight, JD rims w/15 5x38 tires,
Large selection of garden tractors MF 65, Ford 5000, AC 200 w/dual remotes

Combines

MF 510 diesel cab floating bar, 815 Int'l new style 4 row 30' head floating
platform cab, air & quick attachments, MF 300 diesel, cab, 3 row corn head, 13'
platform w/pick up reel, IHC 303

Headers

MF 63C 6 row corn header, MF 44 4 row corn header, 210 corn head for 45
combine New JD 444 corn quick attachment, Used JD 216 platform, Used 44
MF corn attachment (ex cond.), Used JD 215 platform, 15 1810 Int grain
header w/floating cutting bar, 20 810 Int grain header at Bat Real

Planters

1290 JD, 494A JD, AC 9 row no till, Int'l 400 cyclo w/monitor JD 7100 12 row
maxmerge w/monitor, JD 494A 4 row, JD 1240 4 row JD 1290 8 row, IHC 400
cyclo 4 row

Implements

Gale harvester CB 1200 new knives electric crown 3 row corn head 6' pickup
(excellent), Triumph hydraulic driven industrial side mounted mower 7' to fit MF
135, MF 235 and MF 245, IHC 37 46 plate disc harrow, 2 McKee 8 row hydraulic
folding vibra-time cultivators, 25' hydraulic floating M&W rotary hoe, MF 880 5
bottom 16" semi mounted plow, 15' JD rotary cutter, Spike drag, 4 row JD
cultivator, 4 row Case cultivator, New JD 660 side delivery rake, Sunflower 24'
wing fold disc, Kiewanna 940 40 blade disc, JD BWA 36 blade disc, Int'l 48
blade disc, Long 44 blade disc, AC 6 row cultivator, Pittsburg 6 row rigid
cultivator, JD 4 row rotary hoe, 2 AC 330 tandem disc harrows, MF offset disc
harrow, JD riding mower, Dunham 32 blade disc Kiewanna 19' wing fold disc,
MF 14' chisel plow, JD 14T baler, New Holland 1010 bale wagon, New Holland
717R2 2 row 38" corn head for Fordge Harris, JD 214 Fordge box on JD 1065,
Johnson Workhorse loader for garden tractor, Hesston hay stacker

Misc:

'73 White freight liner, 318 Detroit w/13 speed transmission and new tires

All items listed are subject to prior sale

Inspection on December 3 & 4, 1981

Directions U.S. 13 Dragway is located on U.S. Rt. 13, 1 Mile North of Delmar,
Delaware and 8 miles North of Salisbury, Md.

Terms Cash on day of sale Checks will be accepted from Residents of the
Delmarva Peninsula only, and when drawn on a local Bank All others must be
accompanied by a current Letter of Credit from a Bank or Production Credit
Association

PETE RICHARDSON AUCTION SALES

Serving Md., Del., and Va.

Pete Richardson

Auctioneer and Sales Mgr.

Phones: (301) 546-2425 (office)

(301) 742-6220 (home)

(301) 742-0100 Ext. 813 (Mobile)

FOURTH ANNUAL YEAR-END PUBLIC AUCTION

FARM EQUIPMENT, HARDWARE, HAND & POWER TOOLS, CHAIN SAWS, LAWN & GARDEN EQUIPMENT, WELDERS, AIR COMPRESSORS, SNOWMOBILES, GRAIN TRUCKS, BUILDING MATERIAL, POULTRY & HOG EQUIP., AND MANY MISCELLANEOUS ITEMS.

SATURDAY, DECEMBER 5, 1981

9:00 A.M.

Located along East Farmersville Rd., Farmersville, Pa.
(Lancaster County)

From Ephrata, Pa. take Rt. 322 East to Hinkletown. First road right after traffic light in Hinkletown. East Farmersville Rd. 3 mile to sale, watch for auction signs.

DOOR PRIZES

- ★ 1st - CENTURY 230 AMP Welder
- ★ 2nd - MILWAUKEE 1/4" Drill
- ★ 3rd - S-K 1/2" Socket Set
- ★ 4th - Drydene 15/40 Oil (Case)
- ★ 5th - Deka Booster Cables
- ★ 6th - White Toy Tractors

All Adults who register for an auction number by 9 AM are eligible to win these door prizes. Winners must be present to win.
Drawing will be held at end of auction.

NEW FARM EQUIP.

White 508-4R Plow
White 255-16 4 Wing Disc
White 255 10'4" Disc
Brilliant 12 4' Pulvi-Mulcher
Brilliant 13 8' Pulvi-Mulcher
Brilliant 6 3' Soil Builder
Brilliant 14 Transport Packer
Brilliant 13 4' Cultipacker
Vicon PS 400 3 pt. Fert. Spreader
Vicon PS 600 3 pt. Fert. Spreader
Bush Hog 8' x48" Transport Auger
Bush Hog 8' x53" Transport Auger
Bush Hog 206 6 ft. Cutter
Bush Hog Rebel 5 ft. Cutter
Kubota M4000 Diesel Tractor

USED FARM EQUIP.

White 251 9 ft. Disc
JD 494-4R Planter
NI 8' x54" Transport Auger
Bush Hog 6' Rotary Cutter
IH 6 Row Cyclo Planter
IH 6 Row 3 pt. Cult.
IH 14 ft. Vibra-Tine 3 pt. Fertilizer Spreader
MF 65 Gas Tractor

USED CHAIN SAWS

Homeite XL w/10 Bar
Homeite XL2 w/12 Bar
Homeite Super 2 w/14 Bar
Homeite Super EZ w/16 Bar
Homeite 330 w/16 Bar
Homeite Super XL w/16 Bar
Homeite 360 Ao w/20 Bar
Homeite 550 w/27 Bar
Lancaster w/16 Bar
Craftsman 2 5 w/15 Bar
Craftsman 3 7A w/17 Bar
Remington 500 w/16 Bar
White WM 19 w/12 Bar
Husqvarna 40 w/16 Bar
Husqvarna 162 w/20 Bar
Echo 500 VL w/20 Bar
Echo 605 w/20 Bar

NEW LAWN & GARDEN TRACTORS

Boles LT8 8 H.P. w/32 Rotary Mower
White LGT1100, 11 H.P. w/38 Rotary Mower
White LGT1610 16 H.P. w/44 Rotary Mower
White GT1622 16 H.P. w/50 Rotary Mower
Kubota Diesel B6100, 14 H.P. w/48 Rotary Mower
Boles Diesel G172 17 H.P.
Boles Diesel G174 17 H.P. 4 WD
* WE HAVE ACQUIRED A LARGE QUANTITY OF BRAND NEW REPOSSESSED BOLES LAWN & GARDEN DEALER INVENTORY WHICH WILL BE SOLD AT OUR SALE

USED LAWN & GARDEN TRACTORS

Kubota Diesel B7100DT, 16 H.P. 4 WD w/48 Rotary Mower
Kubota Diesel L175 17 H.P.
Kubota Diesel L225, 25 H.P. w/72" Rotary Mower
Boles G 8 H.P. w/32 Rotary Mower
Boles LT8E, 8 H.P. w/38" Rotary Mower
Boles 1254 12 H.P. w/42 Rotary Mower
Boles H161L, 16 H.P. w/42 Rotary Mower
White GT1622, w/50" Rotary Mower
John Deere 400 20 H.P. w/60" Rotary Mower

USED GRAIN TRUCKS

1979 Ford F 250 w/New Omaha Standard 9 Ft Grain & Cattle Body Hoist 12 000 Miles
1974 Dodge D-500 w/New Omaha Standard 12 Ft Grain & Cattle Body 10 Ton Hoist

NEW MISC. EQUIPMENT

Lawn Carts
Lawn Sweepers
Brinly 3 pt. Disc
Woods 42 3 pt. Mower
Bush Hog 60 3 pt. Mower
Echo Power Blowers
Wheel Horse 42 Mower/Atch

NEW PORTABLE HEATERS

(2) Knipco 150 000 BTU
(3) Knipco 90 000 BTU
Knipco 30 000 BTU
Guardian 60 000 BTU
Guardian 40 000 BTU

25 - NEW ALADDIN KEROSENE HEATERS

USED MISC. EQUIPMENT

Power Genie Parts Washer
Campbell Hausfeld 1/2 H.P. Air Compressor
Echo HC 140 17 Hedge Trimmer
Echo 702 12 Cut Off Saw
Echo DM9 Duster/Mister Power Blower
Green Machine 4600 Power Blower
Echo SRM 202 D# Gasoline Trimmer
Weed Eater XR 50 Gasoline Trimmer
Weed Eater XR 70 Gasoline Trimmer
Campbell Hausfeld TF410821H 5 H.P. Single Phase 80 Gal. Horizontal Tank
Two Stage Pump Air Compressor

15 NEW CHAIN SAWS

Homeite Super 2 w/14 Bar
Homeite Super EZ w/16 Bar
Homeite XL12 w/16 Bar
(5) Echo 452VL w/16 Bar
(4) Echo 702EVL w/20 Bar
Husqvarna 44 w/16 Bar
Husqvarna 480 w/24 Bar
Husqvarna 285 w/27 Bar

9 - NEW CAMPBELL HAUSFELD AIR COMPRESSORS

FL3501 1/2 H.P. 7 1/2 Gal Tank
FL3502 3/4 H.P. 11 Gal Tank
FL3309 3 H.P. Gas, 12 Gal Tank
(2) FL3504 1 H.P. 11 Gal Tank
FL3305 1 1/2 H.P. 20 Gal Tank
VT3311 2 H.P. 15 Gal Tank
VT3169 2 H.P. 30 Gal Tank
TK 631221H 10 H.P. Single Phase 120 Gal Horizontal Tank Two Stage Pump

15 - NEW LAWN MOWERS BOLES, LAWN-BOY, WHITE

NEW ASSORTMENT OF POLARIS CLOTHING

1981 Polaris Outlaw 440
1980 Polaris TX440
1980 Polaris Galaxie 440
1980 Polaris TXC340
1979 Polaris TXL340
1973 Polaris TX 440

NEW WELDERS

Century AC 100 AMP
Century AC 230, AMP
Century AC 230/DC 140 AMP
Century AC/DC 250 AMP
Century AC 295 AMP

USED WELDERS

Lincoln AC 180 AMP
Lincoln DC 300 AMP
Forney AC 240 AMP
Westinghouse AC 130 AMP
Century AC 230 AMP
Century AC/DC 250 AMP
Century AC 295/DC 250 AMP

WELDING RODS 250 - 5 LB. PACKS ASSORTED SIZES

BUILDING MATERIAL
Over 140 pcs. 29 Gauge Painted Steel Roofing & Siding Assorted Colors and Sizes
Over 175 pcs. Aluminum Roofing & Siding Assorted Colors and Sizes
Assorted Fascia Spouting and Siding Trim
12 pcs. 30 x 66 Pre-Hung Insulated Aluminum Doors
15 pcs. 30 x 64" Insulated Masonite Doors
17 pcs. 2 1/2 x 6 1/2 Plywood Doors
3 pcs. 2 1/2 x 6 1/2 Plywood Doors
Over 1000 Sq. Ft. Fiberglass Insulation
Over 350 Sq. Ft. Thermax Foam Insulation
3 Pcs. 32 x 36 Jalousie Windows
10 Pcs. 4 x 6 - 20 Treated Posts
30 pcs. 1 x 10 x 6 Pine Boards
20 Pcs. 3/8 x 4 x 8 & 4 x 12 Pre-Painted Masonite (Some damaged)
150 Pcs. 3/8 & 1/2 Plywood Remnants

4 - NEW MTD REAR - TINE ROTO - TILLER

25-NEW ROCKWELL POWER TOOLS

POULTRY & HOG EQUIPMENT

1 36 Zimmerman Panel Fan
12 1 Gallon Plastic Starter Jugs
68 2 Galv. Reel Feeders
15 3 Galv. Reel Feeders
6 Trojan Cup Waterers
5 Zimmerman 36 Gravity Shutters
4 Vent O Matic 36 Gravity Shutters
4 Electric Fly Controls
6 RV 4 4' Roof Ridge Vents
5 72 PB Brower Infrared Brooders
10 BR71 Brower Infrared Brooders
1 C 36-26 Hoskins Cattle Waterer
6 190A 7 Agr-Fan Ceiling Fan
2 R6-100 Rotary Hog Feeder Delphi 6 Bushel
1 R3 100 Rotary Hog Feeder Delphi 3 Bushel
6 #8 SBM 14 000 BTU L.P. Gas Brooder Infrared (Used)
1 24 Acme Fan Jet
2 CWI 12 Acme Shutter
2 CWI 18 Acme Shutter
2 CWI 24 Acme Shutter
2 RH 18 18 Acme Weather Hood
1 36 Acme Fan

SHENANDOAH FINISHING & NURSERY HOG FEEDERS

2 HF 33 6-Hole Hog Feeder w/Doors & Lid Galvanized
2 HF 33L 6-Hole Hog Feeder No Doors & Lid Galvanized
2 HFS 4L Double 4 Hog Feeder Stainless Steel
2 HF 4L Double 4 Hog Feeder Galvanized
2 HF 2 Double 2 Hog Feeder Galvanized
2 HFS-11L 2 Hole Hog Feeder Stainless Steel
2 HF 11 2 Hole Hog Feeder Galvanized
4 HF-01 Hole Sow Feeder Galvanized
3 HF 1L 1 Hole Hog Feeder No Doors & Lid Galvanized
3 S-PCF 4S Single Side Nursery Feeder Stainless Steel
3 S-PCF 4 Double Side Nursery Feeder Stainless Steel
5 PCF P Double Side Nursery Feeder Galvanized
1 PCF 4 Double Side Nursery Feeder Galvanized
2 S-PCF Double Side Nursery Feeder Stainless Steel
1 S-PCF S Single Side Nursery Feeder Stainless Steel

* Misc. Reconditioned Electric Motors
* Misc. New & Reconditioned Kaligo Light Dimmers
* New & Used Universal Barn Alarms
* Misc. Cable Lengths Stainless Steel & Galv.
* Auto-Medic Medicators

25 - NEW ECHO & WEED EATER GASOLINE TRIMMERS

Lancaster Farming, Saturday,
November 14, 1981—D37

Public Sales Register

Closing Date - Monday, 5 00 P M
of each week's publication

FRI NOV 27 5 30 P M Gap Auction Anti ques and Household Goods sold at every auc tion Located off Rt 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

FRI NOV 27 8 A M Public Sale of Cattle and Farm Machinery Located 3 mi north of Waynesboro, 11 mi south of Chambersburg off Rt 316 near Five Forks, Franklin Co, PA Daniel R and Esther C Petre, Owners Edgar J Stull, Auctioneer

SAT NOV 28 Public Sale of Farm and Small Acreage Located approx 56 mi west of Harrisburg, Juniata Co, PA Long Bros., Auctioneers 717 527 4784

SAT NOV 28 9 A M Public Sale of Sewing Sup plies, Tools and Household Goods Located 6 mi south of Quarryville, 8 mi north of Oxford, 500' off 472 along Maple Shape Rd at Kirkwood Fabric, Lanc Co Sale by Abram B Stoltzfus

PUBLIC SALE

PERRY YOUNG ESTATE
84 ACRE FARM - ANTIQUES & PERSONAL
PROPERTY

THURSDAY, NOVEMBER 26, 1981
9:30 A.M.

LOCATED: 1 mi. South of Freysville toward Windsor - along the Windsor & Freysville Rd.

Real Estate - 84 Acre Farm - 12:30 P.M.

84 acre farm located in Windsor Twp. York Co., Pa. Having 8 acres of wood ground and balance in farm ground building area, being in full cultivation. Hard Rd. frontage on Windsor Rd. (approximately 2500 ft.) and on Perry Rd. (approximately 1600 ft.). Large brick house w/4 large rooms on 1st floor, (bath in 1 room on 1st floor) 4 bedrooms on 2nd floor plus a large room over kitchen area separate from 2nd floor of house, out buildings consist of a large frame barn, corn barn, implement shed, hog pen, summer house, chicken house & smoke house. (There is a spring in the summer house for water supply). This real estate is zoned in 2 tracts (farming & residential). Located only minutes from York or Red Lion. This farm has many future possibilities. If in the market to purchase a farm or invest in property, don't miss this opportunity.

TERMS: 10% down sale day, balance on or before April 1, 1982. For inspection of real estate Ph. Wm. Young 244-0389 or Agnes Smith 244-8082. Attorney: Samuel Laucks.

ANTIQUES & PERSONAL PROPERTY 9:30 A.M.

"Copper Clad" cook stove, drop leaf table w/boards, high chair, crocks of all sizes, old flour bin, Planter Peanut jar, butter prints, butcher ladders, iron kettles, sausage stuffer, meat grinder, hog scraper, butcher knives, slaw cutter, pie boards, skillets, flat iron, plank bottom dining room chairs, ironstone platter, clothes basket, roll-top desk, Water Fall bedroom suite (4 pcs.), kerosene lights, Oak washstand, Boston Rocker, plank bottom rocker, Oak bed, night stand, Victrola, plank bottom chairs, Singer treadle sewing machine, old RCA Victor floor model, radio, wooden chifforobe, wooden mantle clock, iron bed, rope beds, round table w/claw feet, clothes tree, old reed baby buggy, doll cradle, old cribs, trunk, butcher bell, 5 legged table, night stand, Stillards scales, wooden tub, cedar barrel, Wilcox flowered jug, 3 gal. jug (Mascara Tonic), wood box, parlor stove, wooden mantel, butcher bench, barrel butter churn, ball & claw feet, McCormick cream separator, old door latches, apple butter stirrer, wooden tubs, brooder stoves, shutters, pumpkin cutter, chicken feeders. 2 push mowers, Westinghouse electric stove, breakfast set w/6 chairs, G.E. refrigerator, pots & pans, dishes, canning jars, living room furniture, 2 "Perfection" room oil heaters, Maple sofa, stoneware, pitchers, pressed glass, blue glass, W.H. Mautin double barrel shot gun, G.E. chest freezer, utility cabinet, mirrors, floor lamp, vibrator, portable TV, cord of fire wood, 1 ton coal, wash bowl & pitcher set, Speed Queen washer, buffet, gold edge picture frame, wooden bench, egg scales, 1950 Chev. truck & other items not mentioned.

TERMS: CASH OR GOOD CHECK

EXECUTORS: Wm. Young
Agnes Smith

ATTORNEY: Samuel Laucks

AUCTIONEER: Blaine N. Rentzel
Box 222, Emigsville, Pa.
Ph. 764-6412

• NOTE: We Will Have Many More Items To Be Sold Not Listed on Sale Bill.

• ORDER OF AUCTION: 9 AM Hardware, Lawn & Garden Equipment.
1 PM Building Material, Farm Equipment.

FREE COFFEE & DONUTS - FOOD AT AUCTION

Auction By
FARMERSVILLE EQUIPMENT
INC.

R.D. #4 EPHRATA, PA 17522
717-354-4271

TERMS: CASH, VISA, MASTERCARD, or GOOD CHECK

Auction Conducted By:
John E. and Paul E. Markel Auctioneers
717-733-3511 - 717-733-3305 Ephrata, Pa.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

SAT NOV 28 9 A.M.
Public Sale of Butcher Shop and Wood Working Equipment and Other Personal Property Located along Rt. 897 between Swartzville and Reinholds, about 2 squares east of the former Black Horse Hotel in EST Cocalico Twp., Lanc Co. PA. Mrs. Anna Rolinski H.H. Leid Auction Service

SAT NOV 28 1 P.M.
Public Sale of Real Estate Located 1/2 mi. east Nickel Mines on White Oak Rd. Terms by Ben and Bar

bara Esh Steve Peter sheim and Everett Kreider, Auctioneers 717 786 4624

MON NOV 30 2 P.M.
Danville Livestock Market, cattle and hog auction Located Old Route 11, Danville, THURS JAN 7, 1 9 8 2 9 30 A.M. Dispersal of Holstein herd, hi grades & reg, horse drawn farm machinery, work horses Located 3 mi south of Strasburg Terms by Gideon B. & Katie Stoltzfus Steve Petersheim, Auctioneer

PUBLIC SALE OF VALUABLE REAL ESTATE SATURDAY, NOVEMBER 21, 1981 At 2 P.M.

Located in the Village of Bowmansville, Lancaster County, Pa.

LARGE 2 STORY CEMENT BLOCK BUILDING
96 ft. by 36 ft. with an addition of 30'x6' known as the

BOWMANVILLE FIRE HALL

Situated on lot of 40 perches. Building contains paneled auditorium and meeting room, also stage, kitchen and dining hall, also engine room for 2 fire trucks, with 2 rest rooms and sewage hook up, heated by oil fired hot water heat, heating system approx. 3 years old.

NOTE — Reason for sale — New Fire Hall being built with larger engine room, therefore this building no longer needed.
For appointment to inspect real estate call one of the following numbers 215-445-5442 or 445-6563.

Terms by:

**TRUSTEES OF THE
BOWMANVILLE FIRE CO.**

Auctioneers: LeRoy S. Horst, 445-6181 and Glenn E. Fulmer, 445-6563

PUBLIC AUCTION

VALUABLE REAL ESTATE

The undersigned will offer at public auction the following described real estate on site formerly known as W. D. WENTZEL MACHINE CO., 211 East York Street, Biglerville, Pa. on

**TUESDAY, NOVEMBER 24
2:00 P.M.**

All that tract of land lying and being in the Borough of Biglerville, Pa. consisting of a lot 175' X 160' X 175' X 152' and having approximately 65' frontage on York Street.

Tract is improved with the following.

A 132' X 41' frame building with aluminum siding and shingle roof containing a 70' show room with air conditioned office area and building has natural gas heat and large sliding doors.

A 76' X 45' cement block building with aluminum roof, cement floor, 12 high X 16 wide overhead door, a 8' X 10' overhead door and rest room facilities.

A 135' X 36' frame building with metal roof and large sliding doors. Tract has all city utilities and is close to all town facilities.

AUCTIONEER'S NOTE: This tract of land and buildings offer many possibilities and the 3 buildings total approximately 13,600 square feet and can be adapted to many uses - machinery, lawn & garden, recreational vehicle sales & service, large or small storage units, machine shops, etc. Plan to attend sale

INSPECTION OF REAL ESTATE - Appointment only by contacting undersigned owner or auctioneer

TERMS - 10% DOWN ON DAY OF SALE - BALANCE IN 30 DAYS - OTHER TERMS AT THE TIME OF SALE.

OWNER,

WILLIAM D. WENTZEL

717-677-7231

C David Redding, Auctioneer
Rt. 6 - Gettysburg, Pa
Ph. 717-334-6941
Campbell & White, Attorneys
122 Baltimore Street
Gettysburg, Pa.



PENN STATE AG ARENA BENEFIT SALE

December 11, 1981

Farm Show Complex, Harrisburg, PA

Consignments are still being accepted for one of the largest all breed sales in the East to aid The Pennsylvania State University's Ag Arena fund-raising project.

HERE ARE PARTICIPATING BEEF PRODUCERS WHO HAVE ENTERED CONSIGNMENTS:

ANGUS
ARBOR HILL FARMS
Staunton, VA
Semen from Cedarhurst Destiny

BIXLER RIDGE FARM
Loysville, PA
1 Cow: Previer Erica 3014T

DEVEREUX-SOLEIL FARM
Downingtown, PA
1 Heifer, D.S. Belinda 1341

ERB FARM
Friedens, PA
1 Heifer, EHF Lucy's Lass

TWIN OAK FARMS
Fred C. Frey & Sons
Quarryville, PA
1 Embryo Transplant, Semen from Continental

GLENDAIR FARMS
Elizabethtown, PA
1 Heifer
Glenair's Black Empress D344, 1 Bull Calf

HUNTINGDON FARM
Herman R. Purdy
Alexandria, PA
1 Heifer: HF Blackbird 948

LOGAN SPRING FARM
Bellwood, PA
1 Heifer
Logan Spring Mary May 5621

LONGMEADOW FARM
Harrisburg, PA
1 Heifer
Longmeadow Maple May 7

MEADOW MIST FARMS
Dr. Burleigh Anderson
Loysville, PA
1 Heifer
Meadow Mist Shoshone 370-594

MOUNTAIN VIEW ANGUS FARMS
Halifax, PA
1 Heifer, MVAF Blackcap 017

PAT-RIC FARMS
Germansville, PA
1 Heifer, Pat-Rics SWM Penelope

PENN STATE UNIVERSITY
University Park, PA
1 Embryo Holstein Recipient Carrying an Angus Embryo Calf

SOUTH BRANCH FARMS
York, PA
1 Heifer, SBF Mayflower 026
HARRY H. STAMBAUGH
Green Park, PA
1 Bull
Sir Franchester Revolt GPF, 1 Heifer
MS Franco Revolution GPF

STONYLONESOME FARM
Stahlstown, PA
Semen from Contact of Wye, 2 Heifers:
Stonylonesome Blackcap 133 and Stonylonesome Blackcap

STORNOWAY FARMS
Ligonier, PA
1 Female Red Angus, Stornoway Patty A190

SIMMENTAL
GOOD HOPE SIMMENTAL
Norman E. Hughes
Landenberg, PA
1 Cow, Good Hope's Miss K101

GRANDVIEW FARMS
D.P. Greenlee, M.D.
Waynesburg, PA
1 Heifer

INDIANHOMER FARMS
Jersey Shore, PA
1 Cow, IHF Lanretta 3195

LANGDON FARMS
Sherwood, MD
1 Male, Lav Raspberry N3

LINDEN FARMS
LaGrangeville, NY
Embryo Transplant, Semen from Langdon Grant L19

ROLLING RIDGE FARMS
Karns City, PA
2 Heifers, RRF Abricot Amy N709, RRF Galant Gale N702

SKYTOP FARM
Port Matilda, PA
1 Heifer, Miss Skytop 74M

HAFCO SIMMENTAL FARM
Canton, PA
1 Female, Miss Clean N218

GREYSTONE FARM
Joseph & Sally Calderazzo
York, PA
1 Cow With Calf: HF Laura 60
SIMPSON & SON
Millerstown, PA
2 Heifer Calves

POILED HEREFORD
DR. & MRS. FRANK PERRONE
Five Point Pastures
Greensburg, PA
FPP Ms Hurrah 106M, FPP Vindi Banner 62M

WILLIAM GRAY
Graystone Farm
Schellsburg, PA
5 Certificates and 10 Units from Semen to National Res. Champion Bull, Graystone Granite

FRANK DARCY JR.
Spring Bottom Farms
Fairfield, PA
SBF Royal West, 1 Certificate and 3 Units of Semen to Hilger Special 415, 1981 Farm Show Grand Champion Bull

MR. & MRS. CRAIG PETERSEN
Spring Run Farm
Abbottstown, PA
1 Heifer, SBF Royal Cheer 17

PENN STATE UNIVERSITY
University Park, PA
1 Heifer, PS Victoria 107L 120

ATLANTIC BREEDERS CO-OP
Lancaster, PA
20 Units of Semen, FLF Domestic Banner 2

JERRY PRICE
Prices Polled Hereford
Harrisville, PA
1 Cow, CJF Top Miss 7636

ROBERT FALK
Dunwalke Farm
Far Hills, NJ
1 Heifer, Dunwk Hi Society 52M

SAMUEL C. HUNTER
Smithsburg, MD
Heifer - SCH Bet's Lass N8

CHAROLAIS
BRATTON CHAROLAIS FARM
Raymond A. Bratton
McVeytown, PA
1 Bull, BCF MR Chief 452, 1 Heifer
BCF Miss Distinction 398

PENN STATE UNIVERSITY
University Park, PA
1 Heifer
PS Lady Caprice 110

SUNNY SIDE FARMS
J.B. Wentzel
Selinsgrove, PA
1 Heifer
Sunnyside Miss Sammy

DUMONT CORP.
Charolais Farms
Dunstable, MA
1 Cow

LIPOUSIN
KEYSTONE LIPOUSIN
Newville, PA
1 Heifer
Keystone Queen Marthe 05M, 1 Bull, Keystone King Maurice 03M

LINE LIPOUSIN
Carlisle, PA
Semen from Four Square Herbie CFM 2008

CHIANINA
GALEN E. DREIBELIS
State College, PA
5 Females: Nittany Princess 328, Nittany Princess 255, Nittany Princess 353, Nittany Princess 325, Nittany Princess 8024, Semen from Garibaldi

JACK H. DREIBELIS
Camp Hill, PA
1 Female
Miss Agway Black 50171

BEITED GALLOWAY
GRANDVIEW FARMS
D.P. Greenlee, MD
Waynesburg, PA
2 Heifers, Mark's Doll, Mark Lass

SWATARA SPRINGS FARM
Richard E. Stein
Harrisburg, PA
1 Bull, Swatara Springs Octorora, 1 Cow, Swatara Springs Holly

HERE ARE PARTICIPATING SHEEP PRODUCERS WHO HAVE ENTERED CONSIGNMENTS:

SUFFOLK
JOHN KIMBARK
Hidden Springs Farm
Manheim, PA
1 Ewe

PENN STATE UNIVERSITY
1 Ewe

DONALD GARDNER
Amity, PA
1 Yearling Ewe

CHARLES KIER
Monroeton, PA
1 Ewe Lamb

DORSET
PENN STATE UNIVERSITY
1 Ewe

SALLY & ROBERT YOUNG
Blum Run Dorsets
Canonsburg, PA
1 Ewe Lamb

KENNETH STAYER
Palmyra, PA
One-Half a Ewe Lamb and proceeds from previous sale of ram

WYOMING CO. SHEEP & WOOL GROWERS
1 Ewe Lamb

DR. & MRS. ROBERT HERR
Narvon, PA
1 Ram Lamb

CHEVIOT
CALVERT FARM
Robert Calvert
Mercer, PA
1 Ewe Lamb

LAKEVIEW FFA
Stoneboro, PA
1 Ewe Lamb

MERINO
CHARLES & BARBARA PLATT
Gettysburg, PA
1 Ram Lamb

CALVERT FARM
Robert Calvert
Mercer, PA
2 Ewe Lambs

SHROPSHIRE
CHARLES & BARBARA PLATT
Gettysburg, PA
1 Ewe Lamb

HAMPSHIRE
MR. & MRS. CLYDE DRUBAKER
Lancaster, PA
1 Ewe Lamb

DAVID SVERDUK
Dalton, PA
1 Yearling Ewe, 1 Ewe Lamb, 1 Great Pyrenees Dog

DIRK WISE
Wupenn Hill Farms
Spring Mills, PA
1 Ewe Lamb

To consign an animal, contact your breed association or one of the following:

BEEF CATTLE:

Robert Coleman
Pennsylvania Cattlemen's Association
4605 North Road
Harrisburg, PA 17109

SHEEP:

Tom Calvert
Pennsylvania Cooperative Sheep and Wool Growers
R D 4, Berlin, PA 15530

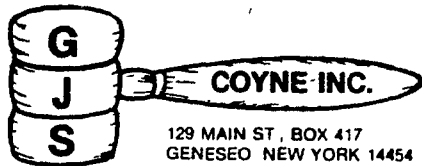
DAIRY CATTLE:

William Nichol
Pennsylvania Holstein Association
839 Benner Pike
State College, PA 16801

SWINE:

Dennis Grumbine
Pennsylvania Cooperative Swine Breeders Association
R D. 2, Myerstown, PA 17067

★ Consignors are asked to donate at least 50% of net sale proceeds to AG ARENA BUILDING FUND



129 MAIN ST., BOX 417
GENESEO NEW YORK 14454

Avon Ford Tractor Inc. Going-Out-Of-Business AUCTION

WEDNESDAY, NOVEMBER 18
9:30 A.M.3

At place of business, 1525 West Henrietta Rd., Avon, NY (Route 15) just north of the intersection of Routes 5 & 20 on Route 15, Avon, NY (20 miles straight south of Rochester off Route 390 expressway).

Having decided to discontinue business after serving the community for several years, will sell complete inventory including: office equip., shop equip., repair tools, some parts stock, new chain saws, new mopeds, log splitters, lubricants, supplies, all used equipment, garden tractor, rolling equipment, Ford Louisville 800 (new 1977) with Schwartz 22 roll back bed (excellent condition). Ford Motor credit financing available on major purchases thru dealer by making application prior to Nov. 17th. Open for inspection on Nov. 17th from 1-4 P.M.

G.J.S. COYNE, INC.
GeneSEO, NY
716-243-3380

Terms: Cash or good check day of sale, nothing removed till settled for.

Public Sales Register

Closing Date - Monday, 5:00 P.M.
of each week's publication

DECEMBER

WED. DEC. 2 - 9 A.M.
Consignment Sale by David H. Good located 1/2 mile North of Route 23 on North Maple Ave. in Leola, Lancaster Co., Pa. Watch for sale signs. F. Snyder, R. Martin, C. Wolgemuth, J. Fry and L. Horst, Auctioneer

THURS. DEC. 3 - 11 A.M.
Public Sale of Construction and Earth Moving Equipment Located on U.S. 13 to Middletown, DE. S. Through Middletown on Rt. 301 about 3.6 mi. to County Rd. 445, just before MD Line, left on 445 New Castle Construction Co., Inc. Rudnick and Matas, Auctioneers

FRI. DEC. 4 - Monthly Cow Sale at the Melvin Kolb, Inc. Sales Barn, 2220 Dairy Road, Lancaster, Pa. 17601 Dennis Kolb, Sales Manager, Robert Mullendore, Auctioneer

SAT. DEC. 5 - 9:30 A.M.
Public Sale of Big Grain Farm Machinery Located in Phillipsburg, NJ. Marie Litton, Owner. Colonel Fred R. Daniel, Auctioneer

SAT. DEC. 5 - 9 A.M. 4th Annual Year-end Auction by Farmersville Equipment Inc. Located in Farmersville, PA. John E. and Paul E. Martin, Auctioneers

SAT. DEC. 5 - 10 A.M.
Public Sale of Grain Farm

Machinery Located on Hensfoot Rd., off Rt. 57, opposite Wickes Lumber Co. Entrance, 1 1/2 mi. east of Phillipsburg, NJ. Lopatcong Twp. From Rt. 22 - 78 at circle take Rt. 519 North to Hensfoot Rd. by Hensfoot Meat Plant. Marie K. Litton, Owner. Fred R. Daniel, Auctioneers, Inc.

SAT. DEC. 5 - 10 A.M.
Public Sale of Farm Equipment Located on U.S. Rt. 13, 1 mile north of Delmar, DE and 8 miles north of Salisbury, MD. 4th Annual Eastern Shore Equipment Dealer's Assn. Farm Equipment Sale. Pete Richardson, Auctioneer

SAT. DEC. 5 Public Sale of Woodland Located in Juniata Co. Long Bros. Auctioneers
717-527-4458

MON. DEC. 7 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

WED. DEC. 9 - Public Sale of Horse Drawn Farm Machinery, Cattle and Horses Located 1/2 mile south of Nickel Mines. Emanuel and Annie Petersheim. Steve Petersheim, Auctioneer

WED. DEC. 9 - 9:30 A.M.
Public Sale of Cattle, Farm Equipment, Horses, Corn, Hay and Corn Fodder Located in Lancaster County, PA. 7 mi. southeast of Strasburg, 3 mi. southwest of Gap, 1/2 mi. north of Georgetown just off Rt. 896. Terms by Emanuel and Annie Petersheim. Steve Petersheim and Everett Kreider, Auctioneers

FRI. DEC. 11 - 5:30 P.M.
Gap Auction. Antiques and Household Goods sold at every auction. Located off Rt. 41, Lancaster Turkey Hill Minit Market, cross RR bridge, Ira Stoltzfus & Son, Auctioneers

SAT. DEC. 12 - 10 A.M.
Public Sale of Valuable Real Estate, Household Goods, Guns, Tools and Motorcycle. Location Rt. 272 south of Lancaster, 4 mi. south of Buck, west onto Spring Valley Rd., at 2nd stop sign left onto State Hill, 1 1/4 mi. to sale. Vasilios Katsanevakis, Lloyd H. Kreider and Randal V. Kline, Auctioneers. Gary L. Shirk, Apprentice

MON. DEC. 14 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. DEC. 14 - 9:30 A.M.
Consignment Sale. Located at S. Race St., Myerstown, Pa. 17067. Sale held by Wenger's Farm Machinery, Inc.

WED. DEC. 16 - 9 A.M.
Consignment Sale by David H. Good located 1/2 mile North of Route 23 on North Maple Ave. in Leola, Lancaster Co., Pa. Watch for sale signs. F. Snyder, R. Martin, C. Wolgemuth, J. Fry and L. Horst, Auctioneer

THURS. DEC. 17 - Monthly Cow Sale at the Melvin Kolb, Inc. Sales Barn, 11342 Cragerstown Rd., Woodsboro, Md. 21798. Thomas Miller, Sales Manager, Robert Mullendore, Auctioneer

SAT. DEC. 19 - 6:30 P.M.
Danville Livestock Market, horse sale located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. DEC. 21 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA. Melvin M. Lehman, owner

MON. DEC. 28 - 2 P.M.
Danville Livestock Market, cattle and hog auction. Located Old Route 11, Danville, PA.

Melvin M. Lehman, owner

TUES. DEC. 29 - 11 A.M.
Real Estate at 1 p.m. Sale of 12 Acre Farm, Lumber and Misc. Building Items Located along Spring Hollow Road midway between Terre Hill and Churchtown, PA. Sale by Paul and Verna Sauder. Nevin Martin and Lewis Groff, Auctioneers

JANUARY

THURS. JAN. 7, 1982, 9:30 A.M. Dispersal of Holstein herd, hi grades & reg. horse drawn farm machinery, work horses. Located 3 mi. south of Strasburg. Terms by Gideon B. & Katie Stoltzfus. Steve Petersheim, Auctioneer

FEBRUARY

FRI. FEB. 26 - 9:30 A.M.
Public Sale of Antique Tractors, Engines, New and Used and Abused Farm Equipment, New Tools and Fruit. Located 10 mi. east of Lancaster, 2 1/2 mi. west of New Holland, turn off of Rt. 23 on S. Groffdale Rd., turn left on Musser School Rd., Lancaster Co., PA. Elias S. Beiler, Robert E. Martin and Son, Auctioneers. 656-7770. Frank L. Steller and Blaine Rentzel

MARCH

18th Annual Bart Twp. Fire Co. Sale to be held - March 6, 1982. Horse Drawn and Farm Equipment, Building Material, Housewares, Antiques, Horses and Lawn Eq. Also lg selection of food by ladies auxiliary. Located at the

NOTICE

To assure that your Public Sale appears in the Public Sale Section we must have your advertisement by 4 P.M. Tuesday of each week's publication.

fire hall in Bart Twp., Georgetown, PA

SAT. MARCH 27 - Steve Gallant Potato Farms Complete Dispersal, Sweden Township, Potter Co., PA. Sale by Pirrung's, Wayland, NY or Ulysses, PA. 814-848-7421

APRIL

SAT. APRIL 3 - Estate of Richard L. Sarginger. Potato Equipment Dispersal, Sweden Township, Potter Co., PA. Sale by Pirrung's, Wayland, NY or Ulysses, PA. 814-848-7421

SAT. APRIL 24 - 16th Colonial Charolais Spring Sale, at the Farmers Livestock Exchange, Winchester, VA. Sponsored by the Colonial Charolais Assoc. Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA. 19067

JUNE

SAT. JUNE 12 - 1982 Colonial Invitational Sale hosted by Brattan Charolais Farm, McVeytown, PA and sponsored by the Colonial Charolais Association. Sale managed by Buzz Garey, 100 Walnut Lane, Morrisville, PA. 19067

HOLSTEIN COW SALE Thursday, November 19, 1981 at 11:00 A.M.



MELVIN KOLB, INC.

LOCATION: At my Maryland Farm, located 1/2 mile northwest of Woodsboro on Rt. 550, in Frederick County.

150 - COWS & HEIFERS - 150



- 50 Purebreds, first, second & third calf cows; some real fancy with very good classifications, good records and pedigrees.
- 50 real top first calf heifers, some milking between 50 and 60 pounds per day.
- 50 big heavy milking grade cows that will suit the most particular buyer

SPECIAL MENTIONS

I picked 14 of the best cows from a David Keller herd from Unity, Maine: a 5 yr. old ROSOFÉ CITATION R. dau. in 380d 21,620m 710f; a 5 yr. old GOLD-TOP CAPTAIN ABBIE MAKER, VG-87, 293d 19,350m 704f; a 4 yr. old WILLOW FARM ROCKMAN IVANHOE dau. GP 331d 16,522m 566f; a 4 yr. old PENSTATE IVANHOE STAR dau. GP with 18,631m 592f, dam at 5-y 305d 22,360m 817f; a CRONELAND MANNIX ASTRONAUT dau., 4 yrs. old, 305d 12,353m 507f, dam VG with 20,000m; a 2 yr. old WILLOW FARM ROCKMAN IVANHOE, dam an ADMIRAL IMPERIAL CHIEF with 20,490m 635f; a SLEEPY HOLLOW MAN GP dau. 18,033m 784f; a 3 yr. old CRONELAND MANNIX ASTRONAUT dau. 14,363m 541f; six fancy grade cows; FRANCES, 23,290m 878f; VELVET, 18,377m 596f; CHERYL, 16,193m 600f; OLYMPA, 15,637m 552f; BETH, 19,499m 602f. These are really good cows that have been fed very little grain and will do a lot better in a good herd. A 2 yr. old KILINSDALE IVANHOE JACK, dam VG, 2-0 19,635m 656f, 3-0 22,838m 838f; a 2 yr. old ALBY AMIGO BURK ROBBIE dau., dam 305d 22,684m 757f, next dam 305d 21,278m 720f; a nice MILU BETTY IVANHOE CHIEF; a MILMAY MEDALION dau., dam 305d 17,782m 570f; a 4 yr. old SWEET-REST ALEX DEE BOOTMAKER with 17,096m 678f.

Also, many more good cows that are not mentioned in this ad! If you need any top cows, Purebreds or Grades, please come to this sale; you won't be disappointed.

TERMS: Cash on day of Sale.
Not responsible for accidents.

Thank you,
Mel Kolb

FREE LUNCH FOR ALL DAIRY FARMERS!

Free transportation for Lanc. Co. Amish
Call (717) 569-6800 or 569-2106 to
arrange a ride to the sale.

PA FARM:
Dennis Kolb, Manager
(717) 569-2106 or 569-6800

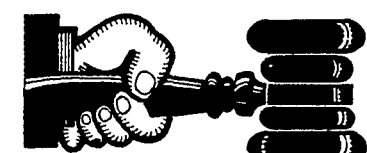
MD. FARM:
Thomas Miller, Manager
(301) 898-7720

Robert Mullendore - Auctioneer
Henry Kettering - Pedigrees
Mehrle Wachter - Clerk

PLEASE NOTE CHANGE OF TIME

November 19th

11:00 A.M.



AUCTIONEER'S DIRECTORY

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PASTURES DRIED UP?

HEIFER NUTRITION IS MOST IMPORTANT!

Goals: Freshen By 24 mos., Weigh 1200 lb. After Calving.

Every dairyman should set goals for each phase of his dairy operation and strive to reach these goals. A successful progressive dairyman is never content to stay where he is at present and is always looking for ways to improve his operation. One of the best goals a dairyman can set for his replacement heifer program is to have his heifers freshen by 24 months of age weighing 1200 pounds after calving. It makes good economic sense to meet this goal because the heifer will start paying her way earlier. For a heifer to weigh 1200 lbs. after calving, she must grow rapidly. From 6 mos. to 22 mos. is probably the most neglected time in caring for heifers. She is too old to be pampered and not yet close enough to freshening to receive special consideration. It is during this time that many heifers are under fed, and the above goals become unattainable.

Purina Freshstart D&H Chow - complete ration

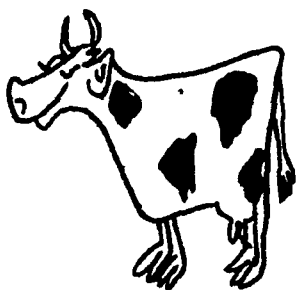
This 12½ percent protein coarse ration is formulated to meet the special nutritional needs of dry cows and heifers during pregnancy. It contains the correct levels of phosphorus and Vitamin D to help guard against milk fever and Vitamin A to help develop a healthy calf.

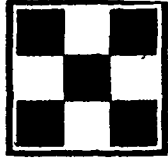
Early Freshening + Proper Condition = Good 1st Lactation

Freshstart D&H Chow is formulated to give heifers fast solid growth so they are ready to be bred early and freshen at 24 months or earlier. Freshstart D&H Chow is a low cost way to help build the growth and body condition heifers need to produce a healthy calf and milk heavily when they join the milking string. What's more, heifers that produce well in their first lactation continue high production over a long milking life.

Purina Freshstart D&H Chow Concentrate (To Mix with Grain)

Use this 16% protein, coarse concentrate to mix with your grain according to Purina Research approved Check-R-Mix formulas to build a properly low cost, balanced ration for dry cows and heifers.



Freshstart D&H Chow 
helps heifers grow fast
and freshen early

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GORDONVILLE, PA 17529

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23 N PARK ST RICHLAND, PA 17067

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WEST WILLOW, PA 17583

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